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C., Menezes
                                                                                                   "Genotyping and phenotyping analysis of B and non-B Human immunodeficiency virus type 1 subtypes from patients under Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.

EMBL; AF165561; AAF08506.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

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01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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Sullivan P.J., Do A., Ellenberger D.L., Pau C.-P., Paul S., Kalish I Sullivan P.J., Do A., Ellenberger D.L., Pau C.-P., Paul S., Kalish I Robbins K., Lal R., Storck C., Schable C.A., Wise H., Tetteh C., Jones J., Ward J.;

"Surveillance of Central African Nationals living in the United Staff reveals multiple subtypes of HIV-1 Group M and Group O.";

L. Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.

EMBL; AF096324; AAD04399.1; -.

GO, GO:0016021; C:integral to membrane; IEA.

GO, GO:0019031; C:viral envelope; IEA.

GO, GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 13, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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NCBI_TaxID=11676;
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Pred. No. 1.3e-13;
0; Mismatches 0;
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1.3e-13;
hes 0;
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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01-MAY-1999 (TrEMBLrel. 10, Last
01-JUN-2003 (TrEMBLrel. 24, Last
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01-JUN-2003 (TrEMBLrel. 24, Last
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Germano de Sousa J., Canas-Ferreira W.;
"Genetic diversity of HIV-1 spreding among intravenous drug Lisbon, Portugal.";
Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AJ429041; CAD23677.1; -.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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                                                                                                                                                                                                                                                                                                                                                                        Swanson P.A., Devare S.G., Hackett J.R. Jr.;
"Molecular Characterization of 39 HIV-1 Isolates Reg (Subtypes A-G) and Group O: Sequence Analysis of gag integrase, and env gp41.";
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databate EMBL; AY214095; AAO61815.1; -..
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env. GP41.
Pfam; PF00517; GP41; 1.
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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23, Last sequence update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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NCBI_TaxID=11676;
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Pred. No. 1.4e-13;
0; Mismatches 0;
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Envelope protein.
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01-JUN-2003
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STRAIN=RJ96BRP070;

Tanuri A., Swanson P.A., Devare S.G., Berro O.J., Savedra A.,

Costa L.J., Telles J.G., Brindeiro R., Schable C., Pieniazek D.,

Rayfield M.;

"HIV-1 subtypes among blood donors from Rio de Janeiro, Brazil.";

Lubmitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF034059; AAC79311.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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STRAIN=GH8;
Pieniazek D., Yang C., Lal R.L.;
Pieniazek D., Yang C., Lal R.L.;
Pieniazek D., Yang C., Lal R.L.;
"Phylogenetic analysis of gp41 envelope of HIV-1 groups M, N, is isolates provides an alternate region for subtype determination Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.

EMBL; AF113589; AAD42757.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 10, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
(coprotein immunodominant region (Fragment)
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 (TrEMBLrel. 12, Created)
(TrEMBLrel. 12, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
                                                                                                           Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.4e-13;
; Mismatches 0;
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Pred. No. 1.4e-13;
; Mismatches 0;
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GO:0019031; C:viral envelope; IEA.
GO:0005198; F:structural molecule activity; IEA
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O7ZCD7;
O1-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.6e-13;
), Mismatches 0;
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Pfam; PF00517; GP41; 1.
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Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185468; AA065743.1; -.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Envelope protein..
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Q72C48;
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Q1-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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1.6e-13;
nes 0;
                                      Score 139; DB 15;
Pred. No. 1.6e-13;
Mismatches 0;
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16907 MW;
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MEDLINE=92144209; PubMed=1736940;
Steuler H., Storch-Hagenlocher B., Wildemann B.;
"Distinct populations of Human immunodeficiency and cerebrospinal fluid.";
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X MEDLINE=22092513; PubMed=12097573;
A Boutonnet N., Janssens W., Boutton C., Verschelde J.L., Heyndricks A Beirnaert E., van der Groen G., Lasters I.;
Comparison of predicted scaffold-compatible sequence variation in t triple-hairpin structure of human immunodeficiency virus type 1 gp4:
XI J. Virol. 76:7595-7606(2002).
XI J. Virol. 76:7595-7606(2002).
EMBL; AJ428022; CAD20974.1; -..
GO; GO:0019031; C:integral to membrane; IEA.
GO; GO:0019031; C:integral to membrane; IEA.
GO; GO:0019031; C:integral molecule activity; IEA.
DR GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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       GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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red. No. 1.7e-13;
Mismatches 0;
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Pred. No. 1.6e-13
Mismatches 0
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Last annotation
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Q78119;
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01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence)
01-JUN-2003 (TrEMBLrel. 24, Last annotation of the protein, gp120 /gp41 (Fragment)
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                                              Envelope protein.
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01-JUN-2003 (T
GP41 protein (
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Steuler H., Storch-Hagenlocher B., Wildemann B.;

"Distinct populations of Human immunodeficiency virus type 1 i and cerebrospinal fluid.";

AIDS Res. Hum. Retroviruses 8:53-59(1992).

EMBL; X61359; CAA43630.1; -.

PIR; S21998; S21998.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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Q78120;
Q78120;
01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope protein, gp120/gp41 (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 4.1e-13;
0; Mismatches 0;
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Pred. No. 4.2e-13;
; Mismatches 0;
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                                AIDS Res. Hum. Retroviruses 8:53-59(1992).

EMBL; X61356; CAA43624.1; -.

PIR; A53591; A53591.

PIR; S70422; S21996.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity
InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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PRELIMINARY;
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589 AA;
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01-JUN-2001
01-JUN-2003
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01-JUN-2001
01-JUN-2003
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STRAIN=wt1;

DCOSta S.S., Hurwitz J.L.;

"Escape mutants to determine structure of gp120 of HIV-1.";

"Escape mutants to determine structure of gp120 of HIV-1.";

"Escape mutants to determine structure of gp120 of HIV-1.";

"Excape mutants to determine structure of gp120 of HIV-1.";

EMBL; AF321148; AAK20296.1; -.

PIR; A53591; A53591.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:integral to membrane; IEA.

GO; GO:0019031; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000377; GP120.
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                                             SEQUENCE FROM N.A.
DCOSta S.S., Hurwitz J.L.;
BEscape mutants to determine structure of gp120 of HIV-1
Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AF321147; AAK20295.1; -.
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                                                                               EMBL; AF32114,

PIR; A53591; A53591.

GO; GO:0016021; C:integral to membrane; len.

GO; GO:0019028; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

R InterPro; IPR000777; GP120.

R InterPro; IPR000777; GP120.

R Pfam; PF00516; GP120; 1.

R Pfam; PF00517; GP41; 1.
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(TrEMBLrel. 17, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
        Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 7e-13;
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Q993A7;
Q1-JUN-2001 (TrEMBLrel.
01-JUN-2001 (TrEMBLrel.
01-JUN-2003 (TrEMBLrel.
Envelope glycoprotein (
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PF00517; GP41;
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Matches 26; Conser
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                            NCBI_TaxID=11676;
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STRAIN=wt2;

DCosta S.S., Hurwitz J.L.;

BCosta S.S., Hurwitz J.L.;

Costa S.S., Hurwitz J.L.;

BCosta S.S., Hurwitz J.L.;

Costa S.S., Hurwitz J.L.;

BCCOSTA S.S., Hurwitz J.L.;

Costa protein; GoldenBank/DDBJ databases.

Costa protein; BCOSTO Of HIV-1.";

Costa protein; Costa protein; Costa protein; Transmembrane.
                                                                                                                                                                                                                                                  STRAIN=1F8;

DCOsta S.S., Hurwitz J.L.;

REscape mutants to determine structure of gp120 of HIV-1.";

Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF321144; AAK20292.1; -.

PIR; A53591; A53591.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral molecule activity; IEA.

R GO; GO:0005198; F:structural molecule activity; IEA.

R InterPro; IPR000328; Env GP41.

R InterPro; IPR000777; GP120.

R Ffam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.

AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
(TrEMBLrel. 17, Created)
(TrEMBLrel. 17, Last sequence update)
(TrEMBLrel. 24, Last annotation updat
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618;

Length

Score 139; DB 15; Pred. No. 7.3e-13; Mismatches 0;

CRC64

B9C791E7D357D2AE

Transmembrane

activity; IEA

-239-1.rspt

-733

60-

18

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EMBL; AF321143; AAK20291.1; -.
PIR; A53591; A53591.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; I InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Tr
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26; Conservative
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26; Conser
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Q9Q723;
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01-MAY-2000
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STRAIN=1H6;

DCOSta S.S., Hurwitz J.L.;

DCOSta S.S., Hurwitz J.L.;

"Escape mutants to determine structure of gp120 of HIV-1.";

Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF321145; AAK20293.1; -.

PIR; A53591; A53591.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
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STRAIN=1B6;
DCosta S.S., Hurwitz J.L.;
"Escape mutants to determine structure of gp120 of HIV-1
Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
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(TrEMBLrel. 17, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                                                                                                                                                             Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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viruses; Retroviridae; Lentivirus
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Pred. No. 7.3e-13;
Mismatches 0;
                                   91ED899CB8F91CAF
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                                                                  Score 139; DB 1
Pred. No. 7e-13;
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Q993B2,
01-JUN-2001 (TrEMBLrel.
01-JUN-2001 (TrEMBLrel.
01-JUN-2003 (TrEMBLrel.
Envelope glycoprotein (
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PF00517; GP41; 1.
Coat protein; Gly
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Viruses; Retroid viruse
NCBI_TaxID=11676;
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01-JUN-2001
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SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
STRAIN=IIIBx;
MEDLINE=20027260; PubMed=10559349;
LaBranche C.C., Hoffman T.L., Romano J., Haggarty B.S.,
Matthews T.J., Doms R.W., Hoxie J.A.;
Matthews T.J., and independence for a human immunodefi
"Determinants of CD4 independence for a human immunodefi
"Determinants of CD4 independence for a human immunodefi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Glycoprotein; Polyprotein; Transm
82201 MW; F90FD626D26B9E66 CRC64
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(TrEMBLrel. 13, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=IIIBx;
MEDLINE=99272698; PubMed=10339592;
Hoffman T.L., LaBranche C.C., Zhang W., Canziani G. Chaiken I., Hoxie J.A., Doms R.W.;
"Stable exposure of the coreceptor-binding site in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 type 1 variant map outside regions required for cospecificity.";
J. Virol. 73:10310-10319(1999).

EMBL; AF189158; AAF25627.1; -.

PIR; A53591; A53591.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEI

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.
                                                                                                                                                                                                                                                                                                                                Lentivirus
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Pred. No. 8.7e-13;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HIV-1 envelope protein.";
Proc. Natl. Acad. Sci. U.S.A. 96:6359-6364(1999)
                                                                                                                                                  727 AA
                                                                                                                                                                                                                                                                               ENV.
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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Retroviruses 10:1143-1155(1994)
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STRAIN=LW851;
Mulder K.E.;
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SEQUENCE FROM N
STRAIN=LW881;
           AIDS Res. Hum.
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MEDLINE=95127297; PubMed=7826699;
Reitz M., Hall L., Robert-Guroff M., Lautenberger J., Hahn B Shaw G., Kong L., Weiss S., Waters D., Gallo R., Blattner W. "Viral variability and serum antibody response in a laborator infected with HIV type 1 (HTLV type IIIB).";
AIDS Res. Hum. Retroviruses 10:1143-1155(1994).
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Reitz M., Hall L., Robert-Guroff M., Lautenberger J., Hahn
Shaw G., Kong L., Weiss S., Waters D., Gallo R., Blattner W
"Viral variability and serum antibody response in a laborat
infected with HIV type 1 (HTLV type IIIB).";
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Submitted (JUL-1994) to the EMBL/GenBank/DDBJ databases.

EMBL; U12034; AAA76669.1;
PIR; A53591; A53591.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

R Pfam; PF00516; GP120; 1.

R Pfam; PF00516; GP41; 1.

R AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembra

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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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100.0%; Pred. No. 8.9e-13;
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Q70606;
01-NOV-1996
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01-JUN-2003
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MEDLINE=95127297; PubMed=7826699;
Reitz M., Hall L., Robert-Guroff M., Lautenberger J., Hahn B., Shaw G., Kong L., Weiss S., Waters D., Gallo R., Blattner W.; "Viral variability and serum antibody response in a laboratory infected with HIV type 1 (HTLV type IIIB).";
AIDS Res. Hum. Retroviruses 10:1143-1155(1994).
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Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBL_TaxID=11676;
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GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; InterPro; IPR000328; Env GP41.
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Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
Pfam; Protein; Glycoprotein; Polyprotein;
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Pred. No. 9e-13;
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Pred. No. 9e-13;
Mismatches
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Submitted (JUL-1994) to the EMBL/GenBank EMBL; U12032; AAA76668.1; -. PIR; A53591; A53591.
GO; GO:0016021; C:integral to membrane; GO; GO:0019028; C:viral capsid; IEA. GO; GO:0005198; F:structural molecule ac InterPro; IPR000328; Env GP41.
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                                                                          STRAIN=LW87-2;
Mulder K.E.;
Submitted (JUL-
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Q9Q722;
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01-MAY-2000
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AIDS Res. 1
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MEDLINE=95127297; PubMed=7826699;
Reitz M., Hall L., Robert-Guroff M., Lautenberger J., Hahn B.,
Shaw G., Kong L., Weiss S., Waters D., Gallo R., Blattner W.;
Shaw G., Kong L., Weiss S., Waters D., Gallo R., Blattner W.;
"Viral variability and serum antibody response in a laboratory worker
"Viral variability and serum antibody response in a laboratory worker
infected with HIV type 1 (HTLV type IIIB).";
AIDS Res. Hum. Retroviruses 10:1143-1155(1994).
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STRAIN=LW87-2;
MEDLINE=95127297; PubMed=7826699;
Reitz M., Hall L., Robert-Guroff M., Lautenberger J., Hahn B.,
Reitz M., Kong L., Weiss S., Waters D., Gallo R., Blattner W.;
Shaw G., Kong L., Weiss S., Waters D., Gallo R., alaboratory worker
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Mulder K.E.;
Submitted (JUL-1994) to the EMBL/GenBank/DDBJ database;
EMBL; U12031; AAA76667.1; -.
PIR; A53591; A53591.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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NCBI_TaxID=11676;
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NCBI_TaxID=11676;
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01-NOV-1996 (TrEMBLrel. 01, Crea
01-NOV-1996 (TrEMBLrel. 01, Last
01-JUN-2003 (TrEMBLrel. 24, Last
Envelope glycoprotein (Fragment)
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PF00517; GP41; 1
Coat protein; Gly
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SEQUENCE FROM N.A.

STRAIN=IIIBX;

MEDLINE=20027260; PubMed=10559349;

LaBranche C.C., Hoffman T.L., Romano J., Haggarty B.S., Edwards T.G.,

Matthews T.J., Doms R.W., Hoxie J.A.;

Matthews T.J., Bayards T.G., Edwards T.G.,

Matthews T.J., Romands T.G., Edwards T.G.,

Matthews T.J., Romands T.G., Edwards T.G.,

Matthews T.J., Romands T.G., Rev. Gollocule activity; IEA.

Matthews T.J., Matthews T.J., Rev. Gollocule activity; IEA.

Matthews T.J., Rev. Golloc
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                                                                                                                                                                                                                                         Submitted (JUL-1994) to the EMBL/GenBank/DDBJ databases.

EMBL; U12035; AAA76670.1; -.

PIR; A53591; A53591.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral capsid; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.

AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
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MEDLINE=99272698; PubMed=10339592;
Hoffman T.L., LaBranche C.C., Zhang W., Canziani G., Robinson Chaiken I., Hoxie J.A., Doms R.W.;
"Stable exposure of the coreceptor-binding site in a CD4-indep HIV-1 envelope protein.";
Proc. Natl. Acad. Sci. U.S.A. 96:6359-6364(1999).
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(TrEMBLrel. 13, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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100.0%; Pred. No. 9e-13;
ive 0; Mismatches
HIV type 1 (HTLV type IIIB).";
Retroviruses 10:1143-1155(1994)
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Local Similarity 100,
hes 26; Conservative
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801 AA;
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SEQUENCE FROM
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01-JUN-2002
01-JUN-2003
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STRAIN=MP255;

A Triques K., Bourgeois A., Saragosti S., Vidal N., Mpoudi-Ngole A Triques K., Bourgeois A., Saragosti S., Vidal N., Mpoudi-Ngole Nzilambi N., Apetrei C., Ekwalanga M., Delaporte E., Peeters M "High diversity of HIV-1 subtype F strains in Central Africa." L Virology 259:99-109(1999).

E Will AJ237805; CAB44056.1; -.

GO; GO:0019028; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

R FO:0005198; F:structural molecule activity; IEA.

R FO:00005198; F:structural molecule activity; IEA.

R Fam; PF00516; GP120.

R Ffam; PF00517; GP41; 1.
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PF00516; GP120; 1.
PF00517; GP41; 1.
PF00424; REV; 1.
Coat protein; Glycoprotein; Polyprotein; Transmembrane.
NCE 757 AA; 85539 MW; A758AF8D8263BD2E CRC64;
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Last sequence update)
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99 (TrEMBLrel. 12, Last sequence update)
03 (TrEMBLrel. 24, Last annotation update)
(Gp160) (Fragment).
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ENV OR GP160.

Human immunodeficiency virus 1.

Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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NCBI_TaxID=11676;
                                                                                                            Score 139; DB 15;
Pred. No. 9.1e-13;
); Mismatches 0;
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larity 100.0%; Pred. No. 9.6e-13;
Conservative 0; Mismatches 0;
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09wWV1;
01-NOV-1999 (TrEMBLrel. 12, C;
01-NOV-1999 (TrEMBLrel. 12, L;
01-JUN-2003 (TrEMBLrel. 24, L
01-JUN-2003 (TrEMBLrel. 24, L
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800 AA;
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01-NOV-1999
01-NOV-1999
01-JUN-2003
Envelope (Gp.
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MEDLINE=99294894; PubMed=10364493;
Triques K., Bourgeois A., Saragosti S., Vidal N., Mpoudi-Ngole E.,
Nzilambi N., Apetrei C., Ekwalanga M., Delaporte E., Peeters M.;
"High diversity of HIV-1 subtype F strains in Central Africa.";
Virology 259:99-109(1999).
EMBL; AJ237807; CAB44058.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000777; GP120.
R InterPro; IPR000777; GP120.
R Pfam; PF00516; GP120; 1.
R Pfam; PF00517; GP41; 1.
MINA PF00517; GP41; 1.
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Molinsky S.M., Gabuzda D.;
"Increased CCR5 affinity and reduced CCR5/CD4 dependence of a neurovirulent primary human immunodeficiency virus type 1 isolat J. Virol. 0:0-0(2002).

EMBL; AF491740; AAM09793.1; -.
EMBL; AF491740; AAM09793.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000377; GP120.
R Pfam; PF00516; GP120; 1.
R Pfam; PF00516; GP120; 1.
R Pfam; PF00517; GP41; 1.
R AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
SEQUENCE 807 AA; 91808 MW; 4852479155EF5603 CRC64;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Last annotation updat
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9.7e-13;
hes 0;
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red. No. 9.6e-13;
Mismatches 0;
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CRC64;

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      93694 MW;
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larity 100.0%;
Conservative (
                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
STRAIN=95127;
C., Delaporte E.,
                                                 Conservative
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Envelope gly
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STRAIN=97DC.KTB22;

MEDLINE=20499072; PubMed=11044094;

Vidal N., Peeters M., Mulanga-Kabeya C., Nzilambi N., Robertson D.,

Ilunga W., Sema H., Tshimanga K., Bongo B., Delaporte E.;

"Unprecedented degree of human immunodeficiency virus Type 1 (HIV-1)

group M genetic diversity in the Democratic Republic of Congo suggests

T that the HIV-1 pandemic originated in Central Africa.";

J. Virol. 74:10498-10507(2000).

EMBL; AJ401042; CAC15050.1; -.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral molecule activity; IEA.

InterPro; IPR000328; Env GP41.

R InterPro; IPR000777; GP120.

R Ffam; PF00516; GP120; 1.

R Pfam; PF00517; GP41; 1.

M AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
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rs M.;
                                                                                                     STRAIN=MP257;

MEDLINE=99294894; PubMed=10364493;

Triques K., Bourgeois A., Saragosti S., Vidal N., Mpoudi-Ngole Nzilambi N., Apetrei C., Ekwalanga M., Delaporte E., Peeters M. High diversity of HIV-1 subtype F strains in Central Africa."

Virology 259:99-109(1999).

EMBL; AJ237806; CAB44057.1; -.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

Pfam; PF00517; GP41; 1.
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Last annotation update)
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01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope protein (Fragment).
                                       ENV OR GP160.
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
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viruses; Retroviridae; Lentivirus
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Pred. No. 9.7e-13;
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Viruses; Retroid virus
NCBI_TaxID=11676;
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EMBL; AJ288982; CAB98175.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.

AIDS; Coat protein; Glycoprotein; Polyprotein; Transmemb; SEQUENCE 845 AA; 95239 MW; 39439B37713EBD2A CRC64;
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STRAIN=594;
MEDLINE=96190564; PubMed=8627686;
Gao F., Morrison S.G., Robertson D.L., Thornton C.L., C Karlsson G., Sodroski J., Morgado M., Galvao-Castro B., von Briesen H., Beddows S., Weber J., Sharp P.M., Shaw Hahn B.H.; "Molecular cloning and analysis of functional envelope human immunodeficiency virus type 1 sequence subtypes A
                                                                                                                                                                                                                                                                                        Created)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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STRAIN=C-96BW05.02;
MEDLINE=99214383; PubMed=10196340;
Novitsky V.A., Montano M.A., McLane M.F., Renjifo B., Vannberoley B.T., Ndung'u T.P., Rahman M., Makhema M.J., Marlink Besex M.;
"Molecular cloning and phylogenetic analysis of human immune virus type I subtype C: a set of 23 full-length clones from
and NIAID Networks for HIV Isolation and Characterizatiirol. 70:1651-1657(1996).
                                                                                                                                                                                                                                                                                                                                                                     Glycoprotein; Polyprotein; Transmembran
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Novitsky V.A., Montano M.A., McLane M.F., Renjifo B., Vannk Foley B.T., Ndung'u T.P., Marlink R., Essex M.;
Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF110967; AAD17078.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
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Submitted (MAY-1994) to the EMBL/GenBank/DDBJ databases
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NCBI_TaxID=11676;
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Pred. No. 1e-12;
Mismatches 0;
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McEvilly M.M.;

Submitted (APR-1994) to the EMBL/GenBank/DDBJ dat

EMBL; U08445; AAB04071.1; -.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity;

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.
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STRAIN=C-96BW05.04;
MEDLINE=99214383; PubMed=10196340;
Novitsky V.A., Montano M.A., McLane M.F., Renjifo B Foley B.T., Ndung'u T.P., Rahman M., Makhema M.J., I Essex M.;
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MEDLINE=21342588; PubMed=11448170;
Carr J.K., Torimiro J.N., Wolfe N.D., Eitel M. Sanders-Buell E., Jagodzinski L.L., Gotte D.,
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"The AG recombinant IbNG and novel strains in Cameroon.";
Virology 286:168-181(2001).
EMBL; AF377956; AAK59195.1; -.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule acti InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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                                                                                                     SEQUENCE FROM N.A.

STRAIN=C-96BW05.04;

Novitsky V.A., Montano M.A., McLane M.F., Renjifo B., Vannbaroley B.T., Ndung'u T.P., Marlink R., Essex M.;

Foley B.T., Ndung'u T.P., Marlink R., Essex M.;

Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.

EMBL; AF110968; AAD17084.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000777; GP120.

R Pfam; PF00516; GP120; 1.

R Pfam; PF00517; GP41; 1.
 analysis of human immun full-length clones from
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"Near-full-length genome sequencing of divergent African subtype F viruses leads to the identification of a new I subtype designated K.";
AIDS Res. Hum. Retroviruses 16:139-151(2000).
EMBL; AJ249239; CAB58990.1; ...
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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STRAIN=96CM-MP535;
MEDLINE=20122179; PubMed=10659053;
Triques K., Bourgeois A., Vidale N., Mpoudi-Ngole Mulanga-Kabeya C., Nzilambi N., Torimiro N., Samar Peeters M.;
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Pred. No. 1e-12;
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"Molecular cloning and phylogenetic virus type 1 subtype C: a set of 23 Botswana."; J. Virol. 73:4427-4432(1999).
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STRAIN=95CM-MP255;

MEDLINE=20122179; PubMed=10659053;

Triques K., Bourgeois A., Vidale N., Mpoudi-Ngole E.,

Triques K., Bourgeois A., Vidale N., Eaman E., Delaporte E.,

Mulanga-Kabeya C., Nzilambi N., Torimiro N., Saman E., Delaporte E.,

Mulanga-Kabeya C., Nzilambi N., Torimiro N., Saman E., Delaporte E.,

Peeters M.;

"Near-full-length genome sequencing of divergent African HIV type 1

subtype F viruses leads to the identification of a new HIV type 1

subtype designated K.";

I subtype designated K.";

AIDS Res. Hum. Retroviruses 16:139-151(2000).

R GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral capsid; IEA.

R GO; GO:0005198; F:structural molecule activity; IEA.

R GO; GO:0005198; Env GP41.

R InterPro; IPR000777; GP120.
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PF00517; GP41; 1.
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"Comparison of complete env gene sequences from individuals symptomatic primary HIV type 1 infection.";
AIDS Res. Hum. Retroviruses 15:1035-1039(1999).
EMBL; AF041132; AAC02523.1; -.
GO: GO:0016021; C:integral to membrane; IEA.
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STRAIN=PIH309;
MEDLINE=99372987; PubMed=10445815;
Ataman-Onal Y., Coiffier C., Giraud A., Babic-Erceg A.,
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Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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Dai L.C., Littaua R., Takahashi K., Ennis F.A.;
"Mutation of human immunodeficiency virus type 1 at amino a gp41 resultis in loss of killing by CD8+ A24-restricted cyt lymphocytes.";
J. Virol. 66:3151-3154(1992).
EMBL; M19921; AAA44992.1; -..
PIR; A53591; A53591.
PIR; S13288; S13288.
                                                                                                                          Glycoprotein; Polyprotein; Transmembran 97062 MW; 58B012C83A0C3DA2 CRC64;
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MEDLINE=86281827; PubMed=3016298;
Adachi A., Gendelman H.E., Koenig S., Folks T., Willey R.,
Martin M.A.;
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GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP1Z0.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; TransSEQUENCE 854 AA; 97062 MW; 58B012C83A0C3DA2 CRC
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IE.
InterPro; IPR000328; Env GP41.
InterPro; IPR00077; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Trans
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Pred. No. 1e-12;
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C STRAIN=X623;

A Delgado E., Thomson M.M., Villahermosa M.L., Sierra M., Ocampo A., Miralles C., Rodriguez-Perez R., Diz-Aren J., Ojea-de-Castro R., Losada E., Cuevas M.T., Vazquez de Parga E., Carmona R., A Perez Alvarez L., Medrano L., Cuevas L., Taboada J.A., Najera R.; Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AF450097; AAL47042.1; -.

R GO; GO:0016021; C:integral to membrane; IEA.

R GO; GO:0019028; C:viral capsid; IEA.

R GO; GO:0019031; C:viral envelope; IEA.

R GO; GO:0019031; C:viral molecule activity; IEA.

R GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

R Ffam; PF00516; GP120; 1.

R Ffam; PF00517; GP120.

R AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.

SQUENCE 854 AA; 96484 MW; 0661AA61DEDFC7C8 CRC64;
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Delgado E., Thomson M.M., Villahermosa M.L., Sierra M., Ocampo Miralles C., Rodriguez-Perez R., Diz-Aren J., Ojea-de-Castro R. Losada E., Cuevas M.T., Vazquez de Parga E., Carmona R., Perez Alvarez L., Medrano L., Cuevas L., Taboada J.A., Najera Flaentification of a newly characterized HIV-1 BG intersubtype Circulating Recombinant Form in Galicia, Spain, exhibiting a pseudotype-like virion structure.";
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Fang H., Pincus S.H.;
"Spontaneous activation of human immunodeficiency virus type immunotoxin-resistant variant T cell line.";
Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF070521; AAC28452.1; -.
PIR; A53591; A53591.
PIR; S13288; S13288.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
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       Salminen M.O., Koch C., Sanders-Buell E., Ehrenberg P.K., Michael N.L., Carr J.K., Burke D.S., McCutchan F.E.; "Recovery of virtually full-length HIV-1 provirus of divers from primary virus cultures using the polymerase chain reac Virology 213:80-86(1995).
                                                                                                                                                                                                     "Production of acquired immunodeficiency syndrome-associate retrovirus in human and nonhuman cells transfected with an molecular clone.";
J. Virol. 59:284-291(1986).
EMBL; U26942; AAB60578.1; -.
PIR; A53591; A53591.
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                                                                                                               SEQUENCE FROM N.A.
STRAIN=NL4-3;
MEDLINE=86281827; PubMed=3016298;
Adachi A., Gendelman H.E., Koenig S., Folks T., Willey R.,
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R GO; GO:0019028; C:viral capsid; IEA.
R GO; GO:0019031; C:viral envelope; IEA.
R GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
AIDS; Coat protein: Classian Class
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214 H -> L (IN REF. 2).
530 A -> S (IN REF. 2).
739 G -> D (IN REF. 2).
97005 MW; FF2264B3841D1220 CRC64;
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NCBI_TaxID=11676;
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MEDLINE=96036482; PubMed=7483282;
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Martin M.A.;
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STRAIN=J 97DC.KTB147;

XRAIN=J 97DC.KTB147;

XREDLINE=Z0499072; PubMed=11044094;

Yidal N., Peeters M., Mulanga-Kabeya C., Nzilambi N., Robertson D.,

Ilunga W., Sema H., Tshimanga K., Bongo B., Delaporte E.;

Ilunga W., Sema H., Tshimanga K., Bongo B., Delaporte E.;

Ilunga W., Sema H., Tshimanga K., Bongo B., Delaporte E.;

Ilunga W., Sema H., Tshimanga K., Bongo B., Delaporte E.;

Ilunga W., Sema H., Tshimanga K., Bongo B., Delaporte E.;

Ilunga W., Sema H., Tshimanga K., Bongo B., Delaporte E.;

Ilunga W., Sema H., Tshimanga K., Bongo B., Delaporte E.;

Ilunga W., Robertson I. Tshimanga K., Benocratic Republic of Congo suggests

InterPro; IPR00021; C. Integral to membrane; IEA.

R GO; GO:0019021; C. Viral capsid; IEA.

R GO; GO:0019031; C. Viral envelope; IEA.

R GO; GO:0005198; F:structural molecule activity; IEA.

R InterPro; IPR000328; Env GP41.
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GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transme SEQUENCE 854 AA; 96885 MW; 0808F3AED27C693B CRC64;
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01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope protein (Fragment).
ENV OR GP160.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Q78705;
Q78705;
01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein gp120.
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
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Pred. No. 1e-12;
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"Maximum Likelihood Analysis of Clock-Like Behavior in HIV:
Implications on Dating Strategies in HIV Molecular Phylogenies
Submitted (AUG-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AF538302; AAN64079.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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97199 MW; 5B9512216533B256
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PF00517; GP41
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NCBI_TaxID=11676;
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01-MAR-2003
01-JUN-2003
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MEDLINE=99098984; PubMed=9882298;
Cayabyab M., Karlsson G.B., Etemad-Moghadam B.A., Hofmann W.,
Steenbeke T., Halloran M., Fanton J.W., Axthelm M.K., Letvin N.L.,
                                                                                                                                                                                                                                                                                                                                                                         Iwatani Y.;

Iwatani Y.;

Submitted (JUN-1996) to the EMBL/GenBank/DDBJ databases.

EMBL; D86069; BAA13003.1; -.

PIR; A53591; A53591.

PIR; S13288; S13288.

PDB; 1F23; 20-JUN-01.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000777; GP120.

R InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.

R AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.

SEQUENCE 856 AA; 97396 MW; FE3E784C423C108C CRC64;
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"Changes in human immunodeficiency virus type 1 envelope responsible for the pathogenicity of a multiply passaged immunodeficiency virus (SHIV-HXBc2).";
J. Virol. 73:976-984(1999).
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Cayabyab M., Karlsson G.B., Etemad-Moghadam B., Hofmann
Halloran M., Axthelm M.W., Letvin N.L., Sodroski J.G.;
Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF041850; AAD12142.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=57667;
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Viruses; Retroid viruses; Retroviridae; Lentivi
NCBI_TaxID=11676;
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Cloyd M.W., Moore B.E.;
"Spectrum of Biological Properties
(HIV-1) Isolates.";
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Pfam; PF00517; GP41; 1
AIDS; Coat protein; Gl
SEQUENCE 857 AA; 97
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GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembran SEQUENCE 856 AA; 97151 MW; C50BE0388FB73659 CRC64;
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Iwatani Y.;
Submitted (JUN-1996) to the EMBL/GenBank/DDBJ database;
EMBL; D86068; BAA12995.1; -.
PIR; A53591; A53591.
PIR; S13288; S13288.
PDB; 1F23; 20-JUN-01.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1e-12;
Mismatches 0;
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MEDLINE=90101366; PubMed=1688473;
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PF00517; GP41; 1
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01-NOV-1996
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01-NOV-1998
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SEQUENCE FROM N.A.
STRAIN=ACH168.10;
MEDLINE=95074890; PubMed=7983734;
Wrin T., Loh T.P., Vennari J.C., Schuitemaker H., Nunberg J.H.;
"Adaptation to persistent growth in the H9 cell line renders a primary isolate of human immunodeficiency virus type 1 sensitive to neutralization by vaccine sera.";
J. Virol. 69:39-48(1995).
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MEDLINE=95074890; PubMed=7983734;

Wrin T., Loh T.P., Vennari J.C., Schuitemaker H., Nunberg J.H.;

"Adaptation to persistent growth in the H9 cell line renders a prim isolate of human immunodeficiency virus type 1 sensitive to neutralization by vaccine sera.";

J. Virol. 69:39-48(1995).

R GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
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SEQUENCE FROM N.A.

STRAIN=ACH168.10;

LaCasse R.A., Follis K.E., Moudgil T., Trahey M., Binley J.M.,

Planelles V., Zolla-Pazner S., Nunberg J.H.;

"Coreceptor utilization by human immunodeficiency virus type 1 is a primary determinant of neutralization sensitivity.";

J. Virol. 0:0-0(1997).

EMBL; AF035533; AAB99954.1; -.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019028; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Mismatches 0
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Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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STRAIN=ACH168.10;

K MEDLINE=95074890; PubMed=7983734;

M Wrin T., Loh T.P., Vennari J.C., Schuitemaker H., Nunberg J.H.;

M Waptation'to persistent growth in the H9 cell line renders a isolate of human immunodeficiency virus type 1 sensitive to neutralization by vaccine sera.";

J. Virol. 69:39-48(1995).

J. Virol. 69:39-48(1995).

K EMBL; U15032; AAA64870.1; -...

K GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

SP Fam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.

Pfam; PF00517; GP41; 1.
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Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembran
SEQUENCE 857 AA; 97505 MW; 039E68247BDC005A CRC64;
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(TrEMBLrel. 01, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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ilarity 100.0%; Pred. No. 1e-12;
Conservative 0; Mismatches 0;
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100.0%; Pred. No. 1e-12;
ive 0; Mismatches
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01-NOV-1998 (TrEMBLrel.
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857 AA;
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01-JUN-2003
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MEDLINE=95074890; PubMed=7983734; Wrin T., Loh T.P., Vennari J.C., Schuitemaker H., Nunberg J.H. "Adaptation to persistent growth in the H9 cell line renders isolate of human immunodeficiency virus type 1 sensitive to
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AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane
SEQUENCE 857 AA; 97508 MW; D045150ACBDC0BF6 CRC64;
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                                                                                                                       SEQUENCE FROM N.A.

STRAIN=168C;
LaCasse R.A., Follis K.E., Moudgil T., Trahey M., Binley J.M.

LaCasse R.A., Follis K.E., Moudgil T., Trahey M., Binley J.M.

Planelles V., Zolla-Pazner S., Nunberg J.H.;
"Coreceptor utilization by human immunodeficiency virus type
T a primary determinant of neutralization sensitivity.";
J. Virol. 0:0-0(1997).

EMBL; AF035534; AAB99955.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000378; Env GP41.

DR InterPro; IPR000777; GP120.

DR Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.
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STRAIN=95CM-MP257;
MEDLINE=20122179; PubMed=10659053;
MEDLINE=20122179; PubMed=10659053;
MEDLINE=20122179; PubMed=10659053;
MEDLINE=20122179; PubMed=10659053;
MEDLINE=20122179; PubMed=10659053;
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"Near-full-length genome sequencing of divergent Afsubtype F viruses leads to the identification of a subtype designated K.";
AIDS Res. Hum. Retroviruses 16:139-151(2000).
EMBL; AJ249237; CAB58982.1; -..
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral capsid; IEA.
GO; GO:0005198; F:structural molecule activity; IEA InterPro; IPR000328; Env GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1e-12;
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J. Virol. 69:39-48(1995).
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AIDS 13:1819-1826(1999).
REMBL; AF069672; AAD13364.1; -.
RGO; GO:0016021; C:integral to membrane; IEA.
RGO; GO:0019028; C:viral capsid; IEA.
RGO; GO:0019031; C:viral envelope; IEA.
RGO; GO:0005198; F:structural molecule activity; IEA.
RGO; GO:0005198; F:structural molecule activity; IEA.
RICHERPRO; IPR000777; GP41.
RICHERPRO; IPR000777; GP120.
RPfam; PF00516; GP120; 1.
RPfam; PF00517; GP41; 1.
RAIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
SEQUENCE 859 AA; 96945 MW; B49458013BA96EB9 CRC64;
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MEDLINE=99441797; PubMed=10513639;
Carr J.K., Laukkanen T., Salminen M.O., Albert J., A Sanders-Buell E., Birx D.L., McCutchan F.E.;
"Characterization of subtype A HIV-1 from Africa by
                                                                                                         Created)
Last sequence update)
Last annotation update)
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Last annotation update)
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MEDLINE=99039935; PubMed=9824329;
Oelrichs R.B., Workman C., Laukkanen T., McCutchan
"A novel subtype A/G/J recombinant full-length HIV
                                                                                                                                                   Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1e-12;
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STRAIN=subtype A;
Tatsumi M., Matsuda M.;
Tatsumi M., Matsuda M.;
"Infectious DNA clones of HIV-1 subtype A.";
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AB098332; BAC77753.1; -.
Envelope protein.
SEQUENCE 860 AA; 97452 MW; E694AF763073A6DD CRC64;
                         databases
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96504 MW; 41BB25F110C38E0C CRC64
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 1e-12;
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Mismatches
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Oelrichs R.B.;
Submitted (MAY-1998) to the EMBL/GenBank/D
EMBL; AF064699; AAD03314.1; -.
GO; GO:0016021; C:integral to membrane; IE
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule acti
InterPro; IPR000328; Env GP41.
InterPro; IPR00077; GP1Z0.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprot
SEQUENCE 859 AA; 96504 MW; 41BB25F110(
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Viruses; Retroid viruses; Retroviridae;
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01-OCT-2003 (TrEMBLrel
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Envelope glycoprotein,
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STRAIN=US4;

Carr J.K., Hierholzer J., Montano S., Hoelscher M., Negrete M., Hierholzer M., Avila M., Gomez Carrillo M., Russi J., Vinoles J., Alava A., Acosta M., Gianella A., Andrade R., Sanchez J.L., A Alava A., Acosta M., Gianella A., Andrade R., Sanchez J.L., A Carrion G., Sanchez J., Robb M., Birx D., McCutchan F.; "Molecular Epidemiology of HIV type 1 in Ecuador, Peru, Bolivia, T "Molecular Epidemiology of HIV type 1 in Ecuador, Peru, Bolivia, I MIDS Res. Hum. Retroviruses 0:0-0(2003).

A IDS Res. Hum. Retroviruses 0:0-0(2003).

EMBL; AY173955; AAO63221.1; -.

GO: GO:0019031; C:viral envelope; IEA.

GO: GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.
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Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; TransmeseQUENCE 864 AA; 98272 MW; C29EE033EE9D2D99 CRC64
                                                                                                                                         GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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immunodeficiency virus 1.
18: Retroid viruses; Retroviridae, Lentivirus
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Viruses, Retroid viruses, Retroviridae, Lentivirus
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No. 1e-12;
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Pred. No. 1e-12;
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                                                                                          "Complete Plasma HIV-1 Sequence: Spl-Promoter Non-Progressive Infection."; Submitted (SEP-1996) to the EMBL/GenBank/DDBJ EMBL; U69589; AAD10915.1; -.
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Pred. No. 1e-
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              Viruses, Retroid .
NCBI_TaxID=11676;
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NCBI_TaxID=11676;
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Delgado E., Thomson M.M., Villahermosa M.L., Sierra M., Ocampo A.,
Miralles C., Rodriguez-Perez R., Diz-Aren J., Ojea-de-Castro R.,
Losada E., Cuevas M.T., Vazquez de Parga E., Carmona R.,
Rosada E., Cuevas M.T., Vazquez G., Taboada J.A., Najera R.;
Nerez Alvarez L., Medrano L., Cuevas L., Taboada J.A., Najera R.;
Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF450096; AAL47033.1; -.
GO; GO:0019021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
RINterPro; IPR000777; GP120.
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                                                                                                                                                                                                                                                                               Transmembrane.
"Identification of a newly characterized HIV-1 BG intersubt Circulating Recombinant Form in Galicia, Spain, exhibiting pseudotype-like virion structure.";
J. Acquir. Immune Defic. Syndr. 0:0-0(2002).
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                                                                                                                                                                                                                                                                              Glycoprotein; Polyprotein; Transmer 98014 MW; E7AF58E55E939F2B CRC64;
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Tatsumi M., Matsuda M.;
"Infectious DNA clones of HIV-1
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01-MAY-1999 (TrEMBLrel. 10, L
01-JUN-2003 (TrEMBLrel. 24, L
Envelope polyprotein.
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01-OCT-2003 (TrEMBLrel.
01-OCT-2003 (TrEMBLrel.
Envelope glycoprotein.
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SEQUENCE 862 AA;
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01-JUN-2003 (TrEMBLre)
Envelope glycoprotein
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MEDLINE=22375625; PubMed=12487816;
Mechan F.E.;
Machan B.C.
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SEQUENCE FROM N.A.

Quinnan G.V. Jr., Zhang P.F., Fu D.W., Dong M., Alter H.J.;

Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AF128126; AAD40637.2; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000777; GP120.

InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.

AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane SEQUENCE 866 AA; 98081 MW; 44D9329789833122 CRC64;
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MEDLINE=99236722; PubMed=10221533;
Quinnan G.V. Jr., Zhang P.F., Fu D.W., Dong M., Alter H.J.;
"Expression and characterization of HIV type 1 envelope proassociated with a broadly reactive neutralizing antibody realises. Hum. Retroviruses 15:561-570(1999).
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98081 MW; 44D9329789833122 CRC64;
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19, Last sequence update)
24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1e-12;
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Q8ADN9,
01-MAR-2003 (TrEMBLrel,
01-MAR-2003 (TrEMBLrel,
01-JUN-2003 (TrEMBLrel,
Envelope glycoprotein,
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Q9WPZ4;
01-NOV-1999 (TrEMB
01-DEC-2001 (TrEMB
01-JUN-2003 (TrEMB
Envelope protein.
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"Increased CCR5 affinity and reduced CCR5/CD4 dependence of a neurovirulent primary human immunodeficiency virus type 1 isolat J. Virol. 0:0-0(2002).

EMBL; AF491741; AAM09794.1; -.

EMBL; AF491741; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019028; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

R GO; GO:0019038; Env GP41.

InterPro; IPR000377; GP41:

InterPro; IPR0017; GP41; 1.

R AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.

SEQUENCE 870 AA; 99067 MW; 067C44F6526160DF CRC64;
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Gorry P.R., Taylor J., Holm G., Mehle A., Morgan T., Cayab Farzan M., Wang H., Bell J.E., Kunstman K.J., Moore J.P., Wolinsky S.M., Gabuzda D.;
"Increased CCR5 affinity and reduced CCR5/CD4 dependence on neurovirulent primary human immunodeficiency virus type 1 J. Virol. 0:0-0(2002).
EMBL; AF491742; AAM09795.1; -.
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CRC64;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1e-
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larity 100.0%;
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"Detection of HIV-1 RNA in two consecutive blood donations screened negative for HIV-antibody."; Submitted (MAR-1997) to the EMBL/GenBank/DDBJ databases.
EMBL; Y11839; CAA72537.1; -.
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MEDLINE=21602569; PubMed=11739704;
Trask S.A., Derdeyn C.A., Fideli U., Chen Y., Meleth S., Kasc Musonda R., Hunter E., Gao F., Allen S., Hahn B.H.;
"Molecular epidemiology of human immunodeficiency virus type transmission in a heterosexual cohort of discordant couples
                                                                                                                                                                                                                                           Length 109;
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(TrEMBLrel. 20, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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(Fragment).
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
                                                                                                                                                                                                                            99.3%; Score 138; DB 15; 96.2%; Pred. No. 1.7e-13; wiematches 0;
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                                                                   GO; GO: 0016021; C: integral to membrane; IEA. GO; GO: 0019031; C: viral envelope; IEA. GO; GO: 0005198; F: structural molecule activity; InterPro; IPR000328; Env_GP41. Fransmembrane.
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Pred. No. 1.8e-13;
; Mismatches 0
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EMBL; AF405196; AAL66706.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activi
InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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ilarity 96.2%;
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25; Conser
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Q9QQN5;
01-MAY-2000
01-MAY-2000
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01-MAR-2002
01-MAR-2002
01-JUN-2003
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Esteves A., Parreira R., Venenno T., Franco M., Piedade J.,

Germano de Sousa J., Canas-Ferreira W.;

"Genetic diversity of HIV-1 spreding among intravenous drug

Lisbon, Portugal.";

Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AJ429040; CAD23676.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transme SEQUENCE 870 AA; 98932 MW; 924EE3A64FD6A9B1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11165 MW; B59B27115A79E800 CRC64;
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O40239;
O1-JAN-1998 (TrEMBLrel. 05, Created)
O1-JAN-1998 (TrEMBLrel. 05, Last sequence update)
O1-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Transmembrane glycoprotein gp41 (Fragment).
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Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.5e-13;
L; Mismatches 0;
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Pred. No. 1e-12;
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Viruses, Retroid viruses, Retroviridae,
NCBI_TaxID=12721;
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(TrEMBLrel.
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Guillard O., Nasr O.;
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26; Conser
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Q8AEX3;
01-MAR-2003
01-MAR-2003
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117 AA;
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NCBI_TaxID=11676;
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SEQUENCE
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                                                                                                             Ellenberger D., Sullivan P.S., Dorn J., Schable C., Spira T.J., Folks T.M., Lal R.B.;
"Viral and Immunologic Examination of HIV-1-infected Persistently Seronegative (HIPS) Persons.";
J. Infect. Dis. 0:0-0(1999).

EMBL; AF157468; AAD45888.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
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"Surveillance of Central African Nationals living in the Unit reveals multiple subtypes of HIV-1 Group M and Group O.", Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF096334; AAD04409.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 10, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
           Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.8e-13;
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Pred. No. 1.8e-13;
1; Mismatches 0
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Viruses; Retroid viruse
NCBI_TaxID=11676;
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Q9YRT2;
01-MAY-1999
01-MAY-1999
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STRAIN=96USNG46;
Sullivan P.J., Do A., Ellenberger D.L., Pau C.-P., Paul S., Kalish M., Robbins K., Lal R., Storck C., Schable C.A., Wise H., Tetteh C., Jones J., Ward J.;
Jones J., Ward J.;
"Surveillance of Central African Nationals living in the United States reveals multiple subtypes of HIV-1 Group M and Group O.";
Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF096342; AAD04417.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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A Ellenberger D., Sullivan P.S., Dorn J., Schable C., Spira T.J.,
A Folks T.M., Lal R.B.;
I "Viral and Immunologic Examination of HIV-1-infected Persistently
T Seronegative (HIPS) Persons.";
J. Infect. Dis. 0:0-0(1999).
B EMBL; AF157473; AAD45893.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
R GO; GO:0005198; Env_GP41.
R Pfam; PF00517; GP41; 1.
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01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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(TrEMBLrel. 13, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
                                                                                                                                 Lentivirus
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Pred. No. 1.8e-13;
; Mismatches 0;
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                                                                                                         ciency virus 1.
viruses; Retroviridae;
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ilarity 96.2%;
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InterPro; IPR000328; Env_GP41
Pfam; PF00517; GP41; 1.
Transmembrane.
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NCBI_TaxID=11676;
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STRAIN=135.544;
Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A
Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;
"Serologic and Phylogenetic Characterization of HIV-1 Subty
Uganda.";
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
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GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
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(TrEMBLrel. 10, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.8e-13;
; Mismatches 0;
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GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env GP41.
Pfam; PF00517; GP41; 1.
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corck C., Schable C.A.,
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STRAIN=96USSN19;
Sullivan P.J., Do A., Ellenberg
Robbins K., Lal R., Storck C.,
Jones J., Ward J.;
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Q9YRS6;
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STRAIN=140.330;
Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S.,
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H., Tetteh
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"Surveillance of Central African Nationals living in the reveals multiple subtypes of HIV-1 Group M and Group O.' Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases EMBL; AF096333; AAD04408.1; -. GO; GO:0019031; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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.A., Wise H.,
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01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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88; Retroid viruses; Retroviridae; Lentivirus
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                                                               Score 138; DB 15;
Pred. No. 1.8e-13;
1; Mismatches 0.
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Pred. No. 1.8e-13;
L; Mismatches 0
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STRAIN=96USNG19;
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"Viral and Immunologic Examination of HIV-1-infected Persist Seronegative (HIPS) Persons.";
J. Infect. Dis. 0:0-0(1999).
EMBL; AF157470; AAD45890.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
  Kataaha P.K., Jackson J.B., Devare S.G.;
Phylogenetic Characterization of HIV-1 Subt
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01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein gp41 (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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                                               Submitted (JUN-1997) to the EMBL/GenBank/DDBJ da EMBL; AF006868; AAD01312.1; -. GO: 0016021; C:integral to membrane; IEA. GO: GO:0019031; C:viral envelope; IEA. GO: GO:0005198; F:structural molecule activity; InterPro; IPR000328; Env GP41.
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Pred. No. 1.8e-13;
; Mismatches 0;
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Pred. No. 1.8e-13;
; Mismatches 0;
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Similarity 96.2%;
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Phillips J.F., "Serologic and
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01-MAY-1999 (TrE
01-JUN-2003 (TrE
GP41 (Fragment).
ENV.
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                                                                                             STRAIN=161.287;

A Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S.,
A Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;
T. "Serologic and Phylogenetic Characterization of HIV-1 Subtypes in Uganda.";
I Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF006872; AAD01316.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
R Ffam; PF00517; GP41; 1.
Transmembrane.
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SEQUENCE FROM N.A.
STRAIN=96USTG17;
A Sullivan P.J., Do A., Ellenberger D.L., Pau C.-P., Paul S., Sullivan P.J., Do A., Ellenberger D.L., Pau C.-P., Paul S., Aullivan P.J., Ward J.;
A Jones J., Ward J.;
T "Surveillance of Central African Nationals living in the Un reveals multiple subtypes of HIV-1 Group M and Group O.";
I Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF096344; AAD04419.1; -.
GO; GO:0019031; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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O9YRS2;
O9YRS2;
01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.8e-13;
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Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S., Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;

"Serologic and Phylogenetic Characterization of HIV-1 Subtypes Uganda.";
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF006894; AAD01338.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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O7SVI8
O7SVI8;
O1-OCT-2003 (TrEMBLrel. 25, Created)
O1-OCT-2003 (TrEMBLrel. 25, Last sequence update)
O1-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein gp41 domain (Fragment).
                                  Last sequence update)
Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
                                                                  Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 1.8e-13;
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01-MAY-1999
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Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco N.,
Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish M.L.;
"Presence of HIV-2 subtype B in single and HIV-2 subtype A in HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY102820; AAM51915.1; -.
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Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish "Presence of HIV-2 subtype B in single and HIV-2 subtype HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY102800; AAM51895.1; -.
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                                  01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein gp41 domain (Fragment).
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01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein gp41 domain (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Pred. No. 1.8e-13;
1; Mismatches 0;
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Similarity 96.2%;
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Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish "Presence of HIV-2 subtype B in single and HIV-2 subtype HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY102823; AAM51918.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
STRAIN=99NG747;
Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish "Presence of HIV-2 subtype B in single and HIV-2 subtype HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases. EMBL; AY102825; AAM51920.1; -.
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                01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein gp41 domain (Fragment).
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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No. 1.8e-13;
smatches 0;
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Pred. No. 1.8e-13;
1; Mismatches 0;
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Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco N.,
Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish M.L.;
"Presence of HIV-2 subtype B in single and HIV-2 subtype A in dual
HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY102827; AAM51922.1; -.
Envelope protein.
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SEQUENCE 117 AA; 14032 MW; 340A804D7684AADC CRC64;
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Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco N.,
Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish M.L.;
"Presence of HIV-2 subtype B in single and HIV-2 subtype A in dual
HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY102830; AAM51925.1; -.
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01-OCT-2003 (TrEMBLrel. 25, Last sequence update) 01-OCT-2003 (TrEMBLrel. 25, Last annotation update) Envelope glycoprotein gp41 domain (Fragment).
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01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein gp41 domain (Fragment).
                                                                         Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update
Envelope glycoprotein gp41 domain (Fragment).
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Pred. No. 1.8e-13;
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Pred. No. 1.8e-13
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Similarity 96.2%;
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STRAIN=99NG782;
Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish "Presence of HIV-2 subtype B in single and HIV-2 subtype HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
                                                 STRAIN=99NG77;
Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish "Presence of HIV-2 subtype B in single and HIV-2 subtype HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY102831; AAM51926.1; -.
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01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein gp41 domain (Fragment).
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        iency virus 1.
viruses; Retroviridae; Lentivirus
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 1.8e-13;
i; Mismatches 0;
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Pred. No. 1.8e-13;
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Viruses; Retroid virus
NCBI_TaxID=11676;
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NCBI_TaxID=11676;
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STRAIN=99NG869;
Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco N.,
Zeh C., Agwale S.M., Wambebe C., Folks T.M., Kalish M.L.;
Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish M.L.;
"Presence of HIV-2 subtype B in single and HIV-2 subtype A in c
HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY102837; AAM51932.1; -.
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Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish "Presence of HIV-2 subtype B in single and HIV-2 subtype HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY102836; AAM51931.1; -.
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01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein gp41 domain (Fragment).
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Last annotation update)
domain (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Mismatches 0;
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1; Mismatches 0
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SEQUENCE FROM N.A.
STRAIN=BX513;
MEDLINE=20134570; PubMed=10669328;
Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,
Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,
Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;
"Presence of human immunodeficiency virus (HIV) type 1, group M, non-B subtypes, Bronx, New York: a sentinel site for monitoring HIV genetic diversity in the United States.";
J. Infect. Dis. 181:470-475(2000).
EMBL; AF190958; AAG02320.1; -.
GO: GO: GO: GO: GO: C: integral to membrane; IEA.
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01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                             Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn
Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dond
Submitted (SEP-2000) to the EMBL/GenBank/DDBJ datal
EMBL; AF307736; AAL08797.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEI
InterPro; IPR000328; Env. GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 1.9e-13;
1; Mismatches 0;
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Pred. No. 1.9e-13;
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GO:0019031; C:viral envelope; IEA.
GO:0005198; F:structural molecule activi
erPro; IPR000328; Env_GP41.
n; PF00517; GP41; 1.
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Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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SEQUENCE FROM N.A.
STRAIN=CAM19;
MEDLINE=20414627; PubMed=10957729;
MEDLINE=20414627; PubMed=10957729;
Peter F.N., Eitel M.N., Judith T.N., George A.A., Laura E.T.
Peter F.N., Feng G., Mark R., Thomas F.M., Danuta P., Renu L.
John N.N., Feng G., Mark R., Thomas F.M., Danuta P., Renu L.
Fresence of Diverse Human Immunodeficiency Virus Type 1 Vill
Presence of Diverse Human Immunodeficiency Virus Type 1 Vill
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Ngengasong J.N., Gao F., Rayfield M., Folks T.M., Pieniazek
Lal R.B.;
Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AF252111; AAG14320.1; -.
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STRAIN=99NG901;
Zeh C., Agwale S.M., Robbins K.E., Odama L., Sani-Gwarco Gboun M.S., Pieniazek D., Wambebe C., Folks T.M., Kalish "Presence of HIV-2 subtype B in single and HIV-2 subtype HIV-1/HIV-2 infections in Nigeria.";
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
EMBL, AY102841; AAM51936.1; -.
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L; Mismatches 0;
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Pred. No. 1.8e-13;
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EMBL; AF220702; AAF76821.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0
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Last sequence up
Last annotation
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19 RVLAVERYLKDQQLLGIWGCSGKLIC
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MEDLINE=20346416; PubMed=10890362;
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Pfam; PF00517; GP41; 1.
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nilarity 96.2%;
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Q90DJ2;
01-DEC-2001
01-DEC-2001
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Q91JN0,
01-OCT-2000
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XEALN=BX84;

MEDLINE=20134570; PubMed=10669328;

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

A Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;

Thesence of human immunodeficiency virus (HIV) type 1, group M, non-B subtypes, Bronx, New York: a sentinel site for monitoring HIV genetic diversity in the United States.";

J. Infect. Dis. 181:470-475(2000).

R GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

R GO; GO:0005198; F:structural molecule activity; IEA.

R InterPro; IPR00328; Env_GP41.
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STRAIN=GP41ERRJ03;
Caride E., Hertogs K., Larder B., Dehertogh P., Brindeiro R.,
Machado E., de Sa C.A.M., Eyer W., Passioni L.F.C., Menezes J.A.,
Calazans A.R., Tanuri A.;
"Genotyping and phenotyping analysis of B and non-B Human
immunodeficiency virus type 1 subtypes from patients under HAART.";
Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
EMBL, AF165536; AAF08481.1; -.
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                                                                                                                                                     01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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 re 138; DB 15;
id. No. 1.9e-13;
Mismatches 0;
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1.9e-13;
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larity 96.2%; Pred. No. 1
Conservative 1; Mismatch
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Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,
Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;
"Presence of human immunodeficiency virus (HIV) type 1, group M, non-B
subtypes, Bronx, New York: a sentinel site for monitoring HIV genetic
diversity in the United States.";
J. Infect. Dis. 181:470-475(2000).

EMBL; AF190971; AAG02333.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env. GP41.
Pfam; PF00517; GP41; 1.
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databases.
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Q9YXQ0;
Q9YXQ0;
01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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STRAIN=RJ96BRP043;
Tanuri A., Swanson P.A., Devare S.G., Berro O.J., Costa L.J., Telles J.G., Brindeiro R., Schable C., Rayfield M.;
"HIV-1 subtypes among blood donors from Rio de Jans Submitted (NOV-1997) to the EMBL/GenBank/DDBJ datal EMBL; AF034053; AAC79305.1; -.
GO: GO:0016021; C:integral to membrane; IEA.
GO: GO:0019031; C:viral envelope; IEA.
GO: GO:0005198; F:structural molecule activity; IEI InterPro; IPR000328; Env. GP41.
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Pred. No. 1.9e-13;
l; Mismatches 0;
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Pred. No. 1.9e-13;
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                                            PubMed=10669328;
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STRAIN=BX923;
MEDLINE=20134570;
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Machado E., de Sa C.A.M., Eyer W., Passioni L.F.C., Menezes J.i
Calazans A.R., Tanuri A.;
"Genotyping and phenotyping analysis of B and non-B Human
immunodeficiency virus type 1 subtypes from patients under HAMI
Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
EMBL; AF165543; AAF08488.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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GO; GO: 0016021; C: integral to membrane; IEA.
GO; GO: 0019031; C: viral envelope; IEA.
GO; GO: 0005198; F: Structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Mismatches 0
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Pred. No. 1.9e-13;
1; Mismatches 0;
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X MEDLINE=20134570; PubMed=10669328;

X MEDLINE=20134570; PubMed=10669328;

X Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

A Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;

T "Presence of human immunodeficiency virus (HIV) type 1, group M, non-B subtypes, Bronx, New York: a sentinel site for monitoring HIV genetic diversity in the United States.";

J. Infect. Dis. 181:470-475(2000).

GO: GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Calazans A.R., Tanuri A.;
"Genotyping and phenotyping analysis of B and non-B Human immunodeficiency virus type 1 subtypes from patients under HAAR Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
EMBL; AF165544; AAF08489.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 16, Created)
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(TrEMBLrel. 24, Last annotation update)
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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Pred. No. 1.9e-13;
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EMBL; AF307672; AAL08733.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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MEDLINE=20346416; PubMed=10890362;

Masciotra S., Livellara B., Belloso W., Clara L., Tanuri A., Ram Baggs J., Lal R., Pieniazek D.;

Baggs J., Lal R., Pieniazek D.;

"Evidence for a high frequency of HIV-1 subtype F infections amonorable between a population in Buenos Aries, Argentina.";

Heterosexual population in Buenos Aries, Argentina.";

AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

REMBL, AF220701; AAF76820.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update
Envelope glycoprotein (Fragment).
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(TrEMBLrel. 15, Last sequence update)
(TrEMBLrel. 24, Last annotation update
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Pred. No. 1.9e-13;
1; Mismatches 0;
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EMBL, AF307723; AAL08784.1; -. GO: GO:0016021; C:integral to membrane; IEA.

GO: GO:0019031; C:viral envelope; IEA.

GO: GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C.,
Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.;
"Similar distribution and continued predominance of HIV-1 subtypes A and D infections in Uganda.";
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(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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(TrEMBLrel. 24, Last annotation update)
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
L; Mismatches 0;
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Pred. No. 1.9e-13;
1; Mismatches 0,
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Q1-DEC-2001 (TrEMBLrel. 19, Create
01-DEC-2001 (TrEMBLrel. 19, Last s
01-JUN-2003 (TrEMBLrel. 24, Last a
Envelope glycoprotein (Fragment).
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25; Conservative 1
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Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF307677; AAL08738.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env. GP41.

Pfam; PF00517; GP41; 1.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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1.9e-13;
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Pred. No. 1.9e-13;
1; Mismatches 0
Submitted (SEP-2000) to the EMBL/GenBank/DDBJ EMBL; AF307656; AAL08717.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity InterPro; IPR000328; Env_GP41. Pfam; PF00517; GP41; 1. Transmembrane.
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Pred. No. 1.9e
1; Mismatches
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14678 MW;
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Similarity 96.2%;
25; Conservative
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MEDLINE=20134570; PubMed=10669328;
Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,
Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,
Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;
"Presence of human immunodeficiency virus (HIV) type 1, group M, non-B
subtypes, Bronx, New York: a sentinel site for monitoring HIV genetic
diversity in the United States.";
J. Infect. Dis. 181:470-475(2000).
EMBL; AF190950; AAG02312.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Q9EAA2;
Q9EAA2;
Q1-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                        Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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Mismatches
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nes 25; Conservative
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             SEQUENCE FROM N.A.

STRAIN=BX126;

MEDLINE=20134570; PubMed=10669328;

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

Meidle P.J., McGowan J.P.,

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MEDLINE=20346416; PubMed=10890362;

Masciotra S., Livellara B., Belloso W., Clara L., Tanuri A., Baggs J., Lal R., Pieniazek D.;

"Evidence for a high frequency of HIV-1 subtype F infections heterosexual population in Buenos Aries, Argentina.";

AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

EMBL; AF220704; AAF76823.1; -.

GO: GO:0019031; C:viral envelope; IEA.

GO: GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 15, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Pred. No. 1.9e-13;
1; Mismatches 0.
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Pred. No. 1.9e-13;
1; Mismatches 0
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illarity 96.2%;
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Q91JM8;
01-OCT-2000
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Query Match Best Local

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ů. Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C., Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.; "Similar distribution and continued predominance of HIV-1 subtypes and D infections in Uganda."; Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL, AF307720; AAL08781.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEA. IPR000328; Env_GP41. Length 122; Dorn J., CRC64; (TrEMBLrel. 19, Created) (TrEMBLrel. 19, Last sequence update) (TrEMBLrel. 24, Last annotation update) Human immunodeficiency virus 1. Viruses; Retroid viruses; Retroviridae; Lentivirus NCBI_TaxID=11676; 0937A2095F3DEFDE 138; DB 15; No. 1.9e-13; 122 AA 138; Score Pred. 99.3*%;* 96.2*%;* Query Match Best Local Similarity

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                Transmembrane.
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01-MAY-2000
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SEQUENCE FROM N.A.
STRAIN=GP41ERRJ08;
Caride E., Hertogs K., Larder B., Dehertogh P., Brindeiro R.,
Machado E., de Sa C.A.M., Eyer W., Passioni L.F.C., Menezes J.A.
Calazans A.R., Tanuri A.;
Calazans A.R., Tanuri A.;
"Genotyping and phenotyping analysis of B and non-B Human immunodeficiency virus type 1 subtypes from patients under HAAR Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
EMBL; AF165541; AAF08486.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
                                                                                                                                                           Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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MEDLINE=21270244; PubMed=11376043;

Agwale S.M., Robbins K.E., Odama L., Saekhou A., Zeh C., Edubio A.,

A Agwale S.M., Robbins K.E., Odama L., Saekhou A., Zeh C., Edubio A.,

Njoku O.M., Sani-Gwarzo N., Gboun M.F., Gao F., Reitz M., Hone D.,

Njoku O.M., Pieniazek D., Wambebe C., Kalish M.L.;

The Folks T.M., Pieniazek D., Wambebe C., Kalish M.L.;

The Folks T.M., Pieniazek D., Wambebe C., Kalish M.L.;

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STRAIN=GP41ERRJ13;
Caride E., Hertogs K., Larder B., Dehertogh P., Brindeiro R.,
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NCBI_TaxID=11676;
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 1.9e-13;
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STRAIN=97LB10;

MEDLINE=21270244; PubMed=11376043;

Agwale S.M., Robbins K.E., Odama L., Saekhou A., Zeh C., Edubio A.

A njoku O.M., Sani-Gwarzo N., Gboun M.F., Gao F., Reitz M., Hone D.

A Folks T.M., Pieniazek D., Wambebe C., Kalish M.L.;

I Development of an env gp41-Based Heteroduplex Mobility Assay for Rapid Human Immunodeficiency Virus Type 1 Subtyping.";

J. Clin. Microbiol. 39:2110-2114(2001).

EMBL; AF343905; AAK66172.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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STRAIN=UG1994;
MEDLINE=20284721; PubMed=10826488;
Downing R., Pieniazek D., Hu D.J., Biryahwaho B., Fridl Rayfield M.A., Sempala S.D., Lal R.B.;
"Genetic characterization and phylogenetic analysis of from Uganda.";
AIDS Res. Hum. Retroviruses 16:815-819(2000).
EMBL; AF206045; AAF82001.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Ffam; PF00517; GP41; 1.
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(TrEMBLrel. 15, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivírus
NCBI_TaxID=11676;
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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Pred. No. 1.9e-13;
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Pieniazek D., Yang C., Lal R.L.;
Pieniazek D., Yang C., Lal R.L.;
"Phylogenetic analysis of gp41 envelope of HIV-1 groups M, N, is isolates provides an alternate region for subtype determination Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF113591; AAD42759.1; -. GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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     Calazans A.R., Tanuri A.;
Calazans A.R., Tanuri A.;
Calazans A.R., Tanuri A.;
"Genotyping and phenotyping analysis of B and non-B Human immunodeficiency virus type 1 subtypes from patients under HAP Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
EMBL; AF165546; AAF08491.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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ed. No. 1.9e-13;
Mismatches 0;
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EMBL; AF307695; AAL08756.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Transmembrane.
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STRAIN=GP41ERRJ14;

Caride E., Hertogs K., Larder B., Dehertogh P., Brindeiro R.,

Machado E., de Sa C.A.M., Eyer W., Passioni L.F.C., Menezes J.P.

Calazans A.R., Tanuri A.;

"Genotyping and phenotyping analysis of B and non-B Human immunodeficiency virus type 1 subtypes from patients under HAAR Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.

Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.

Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Viruses, Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 1.9e-13;
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EMBL; AF307686; AAL08747.1; -. GO: GO:0016021; C:integral to membrane; IEA.

GO: GO:0019031; C:viral envelope; IEA.

GO: GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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EMBL, AF307651; AAL08712.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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01-DEC-2001 (TrEMBLrel.
01-JUN-2003 (TrEMBLrel.
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Schable C., Pieniazek

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Score 138; DB 15; I Pred. No. 1.9e-13;

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26EB219834EBAE64

14759 MW;

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Costa L.J., Telles J.G., Brindeiro R., Schable C., F
Rayfield M.;
"HIV-1 subtypes among blood donors from Rio de Janei
Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databa
EMBL; AF034066; AAC79318.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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Similarity 96.2%;
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Masciotra S., Livellara B., Belloso W., Clara L., Tanur:
Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infect
heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220727; AAF76846.1; -.
GO:GO:0019031; C:integral to membrane; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
                                               CRC64;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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ed. No. 1.9e-13;
Mismatches 0;
                                                                ; DB 15;
1.9e-13;
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Q91JK5;
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Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C., Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.; "Similar distribution and continued predominance of HIV-1 subtypes A and D infections in Uganda."; Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF307691; AAL08752.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO:0019031; C:viral envelope; IEA. GO:0005198; F:structural molecule activity; IEA. IPR000328; Env_GP41.

Transmembrane.
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01-NOV-1999 (TrEMBLrel. 12, Created)
01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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STRAIN=MOZ36;

MEDLINE=20284721; PubMed=10826488;

MEDLINE=20284721; PubMed=10826488;

A Downing R., Pieniazek D., Hu D.J., Biryahwaho B., Fridlund C.,

Rayfield M.A., Sempala S.D., Lal R.B.;

"Genetic characterization and phylogenetic analysis of HIV-1 subtype C

"T from Uganda.";

AIDS Res. Hum. Retroviruses 16:815-819(2000).

R GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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SEQUENCE FROM N.A.

STRAIN=RJ97BRP116;

Tanuri A., Swanson P.A., Devare S.G., Berro O.J., Savedra A.,

Costa L.J., Telles J.G., Brindeiro R., Schable C., Pieniazek D.,

Rayfield M.;

"HIV-1 subtypes among blood donors from Rio de Janeiro, Brazil.";

Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF034069; AAC79321.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
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                               01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                     Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
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Pred. No. 1.9e-13;
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subtypes A
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"Phylogenetic analysis of gp41 envelope of HIV-1 groups M, isolates provides an alternate region for subtype determine Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF113585; AAD42753.1; -. GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
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Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AF307674; AAL08735.1; -. GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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   ciency virus 1.
viruses; Retroviridae; Lentivirus
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01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,
Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;
Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;
"Presence of human immunodeficiency virus (HIV) type 1, group M, non-B
subtypes, Bronx, New York: a sentinel site for monitoring HIV genetic
diversity in the United States.";
J. Infect. Dis. 181:470-475(2000).
EMBL; AF190968; AAG02330.1; -.
GO: GO:0016021; C:integral to membrane; IEA.
GO: GO:0019031; C:viral envelope; IEA.
GO: GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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SEQUENCE FROM N.A.
STRAIN=GP41ERRJ04;
Caride E., Hertogs K., Larder B., Dehertogh P., Brindeiro R.,
Machado E., de Sa C.A.M., Eyer W., Passioni L.F.C., Menezes J.A.
Calazans A.R., Tanuri A.;
"Genotyping and phenotyping analysis of B and non-B Human immunodeficiency virus type 1 subtypes from patients under HAAR Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.
EMBL; AF165537; AAF08482.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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(TrEMBLrel. 16, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retro
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01-JUN-2003
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MEDLINE=20346416; PubMed=10890362;

MEDLINE=20346416; PubMed=10890362;

Masciotra S., Livellara B., Belloso W., Clara L., Tanuri A., Ram Baggs J., Lal R., Pieniazek D.;

"Evidence for a high frequency of HIV-1 subtype F infections amo reterosexual population in Buenos Aries, Argentina.";

AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

RMBL; AF220674; AAF74226.1; -..

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
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(TrEMBLrel. 24, Last annotation update)
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
l; Mismatches 0;
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Pred. No. 1.9e-13;
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Similarity 96.2%;
25; Conservative
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Similarity 96.2%;
25; Conservative
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Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AF307701; AAL08762.1;
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 24, Last annotation update)
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Rayfield M.;
"HIV-1 subtypes among blood donors from Rio de Jank Submitted (NOV-1997) to the EMBL/GenBank/DDBJ datak EMBL; AF034043; AAC79295.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEP InterPro; IPR000328; Env_GP41.

Transmembrane.
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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Pred. No. 1.9e-13;
L; Mismatches 0;
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01-MAY-1999 (TrEMBLrel. 10, Last
01-JUN-2003 (TrEMBLrel. 24, Last
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Human immunodeficiency virus 1.
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SEQUENCE FROM N.A.
STRAIN=RJ96BRP044;
Tanuri A., Swanson P.A., Devare S.G., Berro O.J., Savedra F.
Costa L.J., Telles J.G., Brindeiro R., Schable C., Pieniaze Rayfield M.;
"HIV-1 subtypes among blood donors from Rio de Janeiro, Bresubmitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.
Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.
EMBL; AF034054; AAC79306.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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databases.
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Tanuri A., Swanson P.A., Devare S.G., Berro O.J., Saved Costa L.J., Telles J.G., Brindeiro R., Schable C., Pier Rayfield M.;
"HIV-1 subtypes among blood donors from Rio de Janeiro, Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases EMBL; AF034046; AAC79298.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Env GP41.
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O9YXP9;
O1-MAY-1999 (TrEMBLrel. 10, Created)
O1-MAY-1999 (TrEMBLrel. 10, Last sequence update)
O1-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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Pred. No. 1.9e-13;
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EMBL; AF307699; AAL08760.1; -...GO: GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Q90D19;
01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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(TrEMBLrel. 24, Last annotation update)
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NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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.Pred. No. 1.9e-13;
1; Mismatches 0;
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Pred. No. 1.9e-13;
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Matches 25; Conservative
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Pieniazek D.,
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Masciotra S., Livellara B., Belloso W., Clara L., Tanuri Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infect heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220675; AAF74227.1; -.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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                             01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
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                                                                                                                                                                                                                                                                                       "HIV-1 subtypes among blood donors from Rio de Janes Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databatemer, AF034039; AAC79291.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Env. GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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01-OCT-2000 (TrEMBLrel, 15, Last sequ
01-JUN-2003 (TrEMBLrel, 24, Last anno
Envelope glycoprotein gp41 (Fragment)
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STRAIN=RJ96BRP009;
Tanuri A., Swanson P.A., Devare S.G
Costa L.J., Telles J.G., Brindeiro
Rayfield M.;
"HIV-1 subtypes among blood donore
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Masciotra S., Livellara B., Belloso W., Clara L., Tanuri Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infect heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220720; AAF76839.1; -.
GO; GO:0015021; C:integral to membrane; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
             ore 138; DB 15;
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Mismatches 0
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             Score 138;
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EMBL; AF307663; AAL08724.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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003 (TrEMBLrel. 24, Last annotation update)
glycoprotein immunodominant region (Fragment)
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(TrEMBLrel. 19, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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SEQUENCE FROM N.A.

STRAIN=GP41ERRJ18;

Caride E., Hertogs K., Larder B., Dehertogh P., Brindeiro R.,

Amachado E., de Sa C.A.M., Eyer W., Passioni L.F.C., Menezes J.A.,

Calazans A.R., Tanuri A.;

"Genotyping and phenotyping analysis of B and non-B Human

immunodeficiency virus type 1 subtypes from patients under HAART.";

Rembl; AF165551; AAF08496.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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MEDLINE=20346416; PubMed=10890362;
Masciotra S., Livellara B., Belloso W., Clara L., Tani Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infilevidence for a high frequency of HIV-1 subtype F infileterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220719; AAF76838.1; -.
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GO:0019031; C:viral envelope; IEA.
GO:0005198; F:structural molecule activity; IEA
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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Tanuri A., Swanson P.A., Devare S.G., Berro O.J., Savedra A.,
Costa L.J., Telles J.G., Brindeiro R., Schable C., Pieniazek D.,
Rayfield M.,
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Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databate EMBL; AF307692; AAL08753.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA InterPro; IPR000328; Env_GP41.
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                                                                 "HIV-1 subtypes among blood donors from Rio de J
Submitted (NOV-1997) to the EMBL/GenBank/DDBJ da
EMBL; AF034052; AAC79304.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
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GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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X MEDLINE=20134570; PubMed=10669328;

A Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

A Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,

A Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;

A Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;

T "Presence of human immunodeficiency virus (HIV) type 1, group M, non-B

T subtypes, Bronx, New York: a sentinel site for monitoring HIV genetic

I diversity in the United States.";

J. Infect. Dis. 181:470-475(2000).

EMBL, AF190957; AAG02319:1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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C STRAIN=UG;
A Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C., A Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.; "Similar distribution and continued predominance of HIV-1 subtypes A and D infections in Uganda.";

T and D infections in Uganda.";
Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

I Submitted (SEP-2000) to membrane; IEA.

SGO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1:
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                                                                              01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                                                                               Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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EMBL; AF307740; AAL08801.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fri
Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J.,
Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J.,
Similar distribution and continued predominance of HIV-1 s
and D infections in Uganda.";
Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AF307673; AAL08734.1;
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
; Mismatches 0;
Score 138; DB 15;
Pred. No. 1.9e-13;
; Mismatches 0
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Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J.,
Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
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01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
                                                                  CRC64;
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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STRAIN=RJ97BRP132;
Tanuri A., Swanson P.A., Devare S.G., Berro O.J., S
Costa L.J., Telles J.G., Brindeiro R., Schable C.,
Rayfield M.;
"HIV-1 subtypes among blood donors from Rio de Jane
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
                                                                   6BD0DF2301B4043A
                                                                                                Score 138; DB 15;
Pred. No. 1.9e-13;
1; Mismatches 0
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Pred. No. 1.9e-13;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                    122 AA
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ilarity 96.2%;
Conservative
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Similarity 96.2%;
25; Conservative
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Pfam; PF00517; GP41;
Transmembrane.
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122 AA;
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25; Conser
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01-MAY-1999
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01-DEC-2001
01-DEC-2001
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Masciotra S., Livellara B., Belloso W., Clara L., Tanuri Baggs J., Lal R., Pieniazek D.;
Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infect heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220695; AAF76814.1; -.
GO; GO:0019031; C:integral to membrane; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
EMBL; AF307743; AAL08804.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IE.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Transmembrane.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0
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No. 1.9e-13;
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Similarity 96.2%;
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Similarity 96.2%;
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Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C., Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.; "Similar distribution and continued predominance of HIV-1 subtypes A and D infections in Uganda."; Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF307731; AAL08792.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
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EMBL, AF307668; AAL08729.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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     sequence update)
annotation update)
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                                                  Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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1.9e-13;
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Pred. No. 1.9e-13;
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C STRAIN=UG;
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Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.;
"Similar distribution and continued predominance of HIV-1 subtypes A
T and D infections in Uganda.";
L Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

E MBL; AF307688; AAL08749.1; -.

R GO; GO:0016021; C:integral to membrane; IEA.

R GO; GO:0019031; C:viral envelope; IEA.

R GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

R Pfam; PF00517; GP41; 1.
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Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J.,
"Similar distribution and continued predominance of HIV-1
and D infections in Uganda.";
Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AF307655; AAL08716.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
; Mismatches 0;
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Pred. No. 1.9e-13;
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Q9ILJ6
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EMBL, AF307669; AAL08730.1; -. GO: GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 24, Last annotation update)
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000 (TrEMBLrel. 15, Last sequence update)
003 (TrEMBLrel. 24, Last annotation update)
glycoprotein (Fragment).
                                                                                                                                                                                                                                                              STRAIN=AR34;
MEDLINE=20346416; PubMed=10890362;
Masciotra S., Livellara B., Belloso W., Clara L., Saggs J., Lal R., Pieniazek D.;
Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F. Stridence for a high frequency of HIV-1 subtype F. Saggs J., AF220696; AAF76815.1; -.
GO: GO:0016021; C:integral to membrane; IEA.
GO: GO:0019031; C:integral to membrane; IEA.
GO: GO:0005198; F:structural molecule activity; IE/InterPro; IPR000328; Env_GP41.
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viruses; Retroviridae; Lentivirus
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1.9e-13;
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Pred. No. 1
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Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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Q90DR2;
Q1-DEC-2001 (TrEMBLrel. 19, Create
01-DEC-2001 (TrEMBLrel. 19, Last 8
01-JUN-2003 (TrEMBLrel. 24, Last a
Envelope glycoprotein (Fragment).
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Q91JN6;
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EMBL; AF307683; AAL08744.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
                                       Gaps
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Downing R., Pieniazek D., Hu D.J., Biryahwaho B., Fridlund C.,
Rayfield M.A., Sempala S.D., Lal R.B.;
"Genetic characterization and phylogenetic analysis of HIV-1 subtype
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01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
  138; DB 15;
No. 1.9e-13;
smatches 0;
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1.9e-13;
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AIDS Res. Hum. Retroviruses 16:815-819(2000)
EMBL; AF206062; AAF82018.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
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  Score 138; DB
Pred. No. 1.9e
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Pred. No. 1
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illarity 96.2%;
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122 AA;
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SEQUENCE FROM N.A.
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Q90DS1;
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01-DEC-2001
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MEDLINE=20346416; PubMed=10890362;

Masciotra S., Livellara B., Belloso W., Clara L., Tanuri A., Ra Baggs J., Lal R., Pieniazek D.;

Baggs J., Lal R., Pieniazek D.;

"Evidence for a high frequency of HIV-1 subtype F infections am heterosexual population in Buenos Aries, Argentina.";

AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

EMBL; AF220686; AAF74238.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein gp41 (Fragment).
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Q9EA88;
O1-MAR-2001 (TrEMBLrel. 16, Created)
O1-MAR-2001 (TrEMBLrel. 16, Last sequence update)
O1-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
                                                                                                                                                            Score 138; DB 15;
Pred. No. 1.9e-13;
1; Mismatches 0;
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Pred. No. 1.9e-13;
; Mismatches 0;
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Conservative
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MEDLINE=20134570; PubMed=10669328;
Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,
Weidle P.J., Ganea C.E., Irwin K.L., Pieniazek D., McGowan J.P.,
Olivo N., Ramos A., Schable C., Lal R.B., Holmberg S.D., Ernst J.A.;
"Presence of human immunodeficiency virus (HIV) type 1, group M, non-B
subtypes, Bronx, New York: a sentinel site for monitoring HIV genetic
diversity in the United States.";
J. Infect. Dis. 181:470-475(2000).
EMBL; AF190964; AAG02326.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env. GP41.
Pfam; PF00517; GP41; 1.
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STRAIN=UG;

Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C.,

Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.;

"Similar distribution and continued predominance of HIV-1 subtypes A and D infections in Uganda.";

Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF307660; AAL08721.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C.,

Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.;

"Similar distribution and continued predominance of HIV-1 subtypes A

and D infections in Uganda.";

Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF307700; AAL08761.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Transmembrane.

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EMBL, AF307729; AAL08790.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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K MEDLINE=20346416; PubMed=10890362;

A Masciotra S., Livellara B., Belloso W., Clara L., Tanuri A., Rê Baggs J., Lal R., Pieniazek D.;

R Baggs J., Lal R., Pieniazek D.;

T "Evidence for a high frequency of HIV-1 subtype F infections at heterosexual population in Buenos Aries, Argentina.";

AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

E MBL; AF220677; AAF74229.1;

C GO: GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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Masciotra S., Livellara B., Belloso W., Clara L., Tanuri
Baggs J., Lal R., Pieniazek D.;
Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infect:
heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220676; AAF74228.1; -.
GO: GO:0019031; C:viral envelope; IEA.
GO: GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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-JUN-2003 (TrEMBLrel. 24, Last annotation update)
evelope glycoprotein gp41 (Fragment).
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(TrEMBLrel. 15, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
                                                             Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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EMBL; AF307709; AAL08770.1; -. GO: GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

Pfam; PF00517; GP41; 1.
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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Matches 25; Conservative 1
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Q90DM2;
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STRAIN=AR22;
MEDLINE=20346416; PubMed=10890362;
MEDLINE=20346416; PubMed=10890362;
MEDLINE=20346416; PubMed=10890362;
Masciotra S., Livellara B., Belloso W., Clara L., Tanu:
Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infer
heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

EMBL, AF220690; AAF76809.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.

R Pfam; PF00517; GP41; 1.
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(TrEMBLrel. 24, Last annotation update)
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Transmembrane.
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Pred. No. 1.9e-13;
L; Mismatches 0
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Pred. No. 1.9e-13;
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ilarity 96.2%;
Conservative
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Local Similarity 96.2%;
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Pieniazek D., Yang C., Lal R.L.;
Pieniazek D., Yang C., Lal R.L.;
"Phylogenetic analysis of gp41 envelope of HIV-1 groups M, N, and isolates provides an alternate region for subtype determination." Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF113581; AAD42749.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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MEDLINE=20346416; PubMed=10890362;

MEDLINE=20346416; PubMed=10890362;

Masciotra S., Livellara B., Belloso W., Clara L., Tanuri A., Ram Baggs J., Lal R., Pieniazek D.;

"Evidence for a high frequency of HIV-1 subtype F infections amo T heterosexual population in Buenos Aries, Argentina.";

L AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

R AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

R GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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(TrEMBLrel. 12, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
(TrEMBLrel. 24, Last annotation update) coprotein gp41 (Fragment).
                                                     Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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Pred. No. 1.9e-13;
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Matches 25; Conservative
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Caride E., Hertogs K., Larder B., Dehertogh P., Brindeiro R.,

Machado E., de Sa C.A.M., Eyer W., Passioni L.F.C., Menezes J.A

Calazans A.R., Tanuri A.;

"Genotyping and phenotyping analysis of B and non-B Human
immunodeficiency virus type 1 subtypes from patients under HAAR
Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.

EMBL; AF165557; AAF08502.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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             Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fright D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Frightyahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., "Similar distribution and continued predominance of HIV-1 stand D infections in Uganda.";

Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL, AF307654; AAL08715.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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(TrEMBLrel. 13, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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MEDLINE=20346416; PubMed=10890362;

MEDLINE=20346416; PubMed=10890362;

Masciotra S., Livellara B., Belloso W., Clara L., Tanuri A., R.

Baggs J., Lal R., Pieniazek D.;

"Evidence for a high frequency of HIV-1 subtype F infections and heterosexual population in Buenos Aries, Argentina.";

AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

EMBL; AF220721; AAF76840.1; -..

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.
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Masciotra S., Livellara B., Belloso W., Clara L., Tanur:
Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infect heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220703; AAF76822.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env. GP41.
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Viruses, Retroid viruses, Retroviridae, Lentivirus
VCBI_TaxID=11676,
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Pred. No. 1.9e-13;
L; Mismatches 0;
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Pfam; PF00517; GP41; 1.
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MEDLINE=20346416; PubMed=10890362;
MEDLINE=20346416; PubMed=10890362;
Masciotra S., Livellara B., Belloso W., Clara L., Tanuri Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infect: heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220673; AAF74225.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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STRAIN=AR17;
MEDLINE=20346416; PubMed=10890362;
Masciotra S., Livellara B., Belloso W., Clara L., Tar Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F inf heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220687; AAF76806.1; -.
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein gp41 (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentívirus.
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
Score 138; DB 15;
Pred. No. 1.9e-13;
; Mismatches 0
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MEDLINE=20284721; PubMed=10826488;
Downing R., Pieniazek D., Hu D.J., Biryahwaho B., Fridlund
Rayfield M.A., Sempala S.D., Lal R.B.;
"Genetic characterization and phylogenetic analysis of HIV
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                                                                    CRC64;
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AIDS Res. Hum. Retroviruses 16:815-819(2000).
EMBL; AF206036; AAF81992.1; -.
GO; GO:0019031; C:integral to membrane; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env. GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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                                                                                   Score 138; DB 15;
Pred. No. 1.9e-13;
L; Mismatches 0
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Pred. No. 1.9e-13;
1; Mismatches 0
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STRAIN=RJ96BRP071;
Tanuri A., Swanson P.A., Devare S.G., Berro O.J., Savedra A.,
Tanuri A., Swanson P.A., Devare S.G., Berro O.J., Savedra A.,
Costa L.J., Telles J.G., Brindeiro R., Schable C., Pieniazek D.,
Rayfield M.;
"HIV-1 subtypes among blood donors from Rio de Janeiro, Brazil.";
L Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.
EMBL; AF034060; AAC79312.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
CRC64;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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STRAIN=UG;
Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C., Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.; "Similar distribution and continued predominance of HIV-1 subtypes Pand D infections in Uganda."; Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF307708; AAL08769.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

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MEDLINE=20346416; PubMed=10890362;
MEDLINE=20346416; PubMed=10890362;
Masciotra S., Livellara B., Belloso W., Clara L., Tanuri Baggs J., Lal R., Pieniazek D.;
"Evidence for a high frequency of HIV-1 subtype F infect: heterosexual population in Buenos Aries, Argentina.";
AIDS Res. Hum. Retroviruses 16:1007-1014(2000).
EMBL; AF220678; AAF74230.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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01-JUN-2003 (TrEMBLrel. 24, Last anno
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Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C.,

Hu D.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Ial R.;

Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Ial R.;

"Similar distribution and continued predominance of HIV-1 subtypes A and D infections in Uganda.";

I submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

BMBL; AF307724; AAL08785.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

R GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

R Ffam; PF00517; GP41; 1.
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EMBL; AF190970; AAG02332.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                viruses; Retroviridae; Lentivirus
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NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
L; Mismatches 0;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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    24, Last
                        Envelope glycoprotein (Fragment)
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larity 96.2%;
Conservative
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01-JUN-2003 (TrEMBLrel.
                                                                        Human immunodeficiency
Viruses; Retroid viruse
NCBI_TaxID=11676;
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MEDLINE=20134570;
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01-DEC-2001
01-JUN-2003
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Q90DK7

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RESULT Q90DK7

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Query Match Best Local

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GO; GO:0005198; F:structural molecule
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Transmembrane.
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NCBI_TaxID=11676;
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Q9QIU8;
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Q9YXN5;
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EMBL, AF307715; AAL08776.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
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Pieniazek D., Yang C., Lal R.L.;
"Phylogenetic analysis of gp41 envelope of HIV-1 groups M, isolates provides an alternate region for subtype determina Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF113588; AAD42756.1; -...
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
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Q90DL6;
01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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(TrEMBLrel. 12, Last sequence update)
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                                                                                                                                                                                                                                                                                                                                                                 Viruses; Retroid viruses; Retroviridae; Lentivirus
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; DB 15;
1.9e-13;
     3DDFA4A8CEC96CB7
                                   Score 138; DB 15;
Pred. No. 1.9e-13;
; Mismatches 0
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Pred. No. 1
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01-NOV-1999
01-NOV-1999
01-JUN-2003
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STRAIN=GP41ERRJ23;
Caride E., Hertogs K., Larder B., Dehertogh P., Brindeiro R.,
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01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
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                               CRC64
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01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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STRAIN=RJ97BRP105;
Tanuri A., Swanson P.A., Devare S.G., Berro O.J., ECOSta L.J., Telles J.G., Brindeiro R., Schable C., Rayfield M.;
"HIV-1 subtypes among blood donors from Rio de Jane
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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                                                                Score 138; DB 15;
Pred. No. 1.9e-13;
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Conservative
                                                              Similarity 96.2%; Similarity 96.2%;
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Hub.J., Baggs J., Downing R.G., Pieniazek D., Dorn J., Fridlund C., Biryahwaho B., Sempala S.D.K., Rayfield M.A., Dondero T.J., Lal R.; "Similar distribution and continued predominance of HIV-1 subtypes A and D infections in Uganda."; Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AF307696; AAL08757.1; -. GO: GO:0019031; C:viral envelope; IEA. GO: GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Env_GP41.

R Ffam; PF00517; GP41; 1.

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               Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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EMBL, AF307693; AAL08754.1; -. GO: GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
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Machado E., de Sa C.A.M., Eyer W., Passioni L.F.C., Menezes J. Calazans A.R., Tanuri A.;
"Genotyping and phenotyping analysis of B and non-B Human immunodeficiency virus type 1 subtypes from patients under HAA Submitted (JUL-1999) to the EMBL/GenBank/DDBJ databases.

EMBL; AF165556; AAF08501.1; -. GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 19, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Q90DN5;
Q90DN5;
Q1-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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Pred. No. 1.9e-13;
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Score 138; DB 15; Pred. No. 1.9e-13; l; Mismatches 0;

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Masciotra S., Livellara B., Belloso W., Clara L., Tanuri Baggs J., Lal R., Pieniazek D.;

"Evidence for a high frequency of HIV-1 subtype F infect heterosexual population in Buenos Aries, Argentina.";

AIDS Res. Hum. Retroviruses 16:1007-1014(2000).

EMBL; AF220685; AAF74237.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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O91JP7;
01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein gp41 (Fragment).
                                                                                                                                                                                                                                                                      Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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Best Local Similarity 96.3
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subtypes A
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STRAIN=UG95-327;

Swanson P.A., Devare S.G., Hackett J.R. Jr.;

Molecular Characterization of 39 HIV-1 Isolates Representing (Subtypes A-G) and Group O: Sequence Analysis of gag p24, polintegrase, and env gp41.";

Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.

EMBL; AY214083; AAO61803.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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Transmembrane
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(TrEMBLrel. 19, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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Pred. No. 1.9e-13;
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SEQUENCE FROM N.A.

STRAIN=UG95-422;

Swanson P.A., Devare S.G., Hackett J.R. Jr.;

"Molecular Characterization of 39 HIV-1 Isolates Representing Grointegrase, and env gp41.";

Lintegrase, and env gp41.";

Lintegrase, and env gp41.";

Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.

EMBL; AY214087; AAO61807.1; -..

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

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STRAIN=BK132;
SYRAIN=BK132;
SWANBON P.A., Devare S.G., Hackett J.R. Jr.;
I "Molecular Characterization of 39 HIV-1 Isolates Representing Gro
I "Molecular Characterization of 39 HIV-1 Isolates Representing Gro
I integrase, and env gp41.";
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.

Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.

REMBL; AY214088; AAO61808.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

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                                                                                                                                     07ZJS2 PRELIMINARY; PRT; 122 AA. 07ZJS2; 01-JUN-2003 (TrEMBLrel. 24, Created) 01-JUN-2003 (TrEMBLrel. 24, Last sequence update) 01-JUN-2003 (TrEMBLrel. 25, Last annotation update) Envelope glycoprotein (Fragment).
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                                                                                                                                                     viruses; Retroviridae; Lentivirus
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
[1]
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red. No. 1.9e-13;
Mismatches 0;
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Viruses; Retroid viruses; Retro
NCBI_TaxID=11676;
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25, Conservative
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Pfam; PF00517; GP41; 1
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Viruses; Retroid viruse
NCBI_TaxID=11676;
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STRAIN=BZ167;

Swanson P.A., Devare S.G., Hackett J.R. Jr.;

Swanson P.A., Devare S.G., Hackett J.R. Jr.;

Swanson P.A., Devare S.G., Hackett J.R. Jr.;

"Molecular Characterization of 39 HIV-1 Isolates Representing (
[Subtypes A-G] and Group O: Sequence Analysis of gag p24, pol

Integrase, and env gp41.";

Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.

EMBL; AY214089; AAO61809.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.

Envelope protein.
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Swanson P.A., Devare S.G., Hackett J.R. Jr.;
Swanson P.A., Devare S.G., Hackett J.R. Jr.;
"Molecular Characterization of 39 HIV-1 Isolates Representing
(Subtypes A-G) and Group O: Sequence Analysis of gag p24, pol
integrase, and env gp41.";
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AY214091; AAO61811.1; -.
GO: GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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01-OCT-2003 (TrEMBLrel. 25, Last annotation updat
Envelope glycoprotein (Fragment).
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                                    Score 138; DB 15;
Pred. No. 1.9e-13;
L; Mismatches 0
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ilarity 96.2%;
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Matches 25; Conservative
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Swanson P.A., Devare S.G., Hackett J.R. Jr.;
"Molecular Characterization of 39 HIV-1 Isolates Representing Gro (Subtypes A-G) and Group O: Sequence Analysis of gag p24, pol integrase, and env gp41.";
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AY214092; AAO61812.1; -.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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viruses; Retroviridae; Lentivirus
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01-JUN-2003 (TrEMBLrel. 24, Crea
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01-OCT-2003 (TrEMBLrel. 25, Last
Envelope glycoprotein (Fragment)
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STRAIN=IVCO3671;
Swanson P.A., Devare S.G., Hackett J.R. Jr.;
Swanson P.A., Devare S.G., Hackett J.R. Jr.;
"Molecular Characterization of 39 HIV-1 Isolates Representing Gro (Subtypes A-G) and Group O: Sequence Analysis of gag p24, pol integrase, and env gp41.";
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AY214119; AAO61839.1; -.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
R Ffam; PF00517; GP41; 1.
Fram; PF00517; GP41; 1.
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SEQUENCE FROM N.A.

Esteves A., Parreira R., Venenno T., Franco M., Piedade J.,

de Sousa G., Canas-Ferreira W.;

"Molecular epidemiology of HIV-1 infection in Portugal: high

prevalence of non-B subtypes.";

Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AJ318398; CAC85977.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Mismatches 0;
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"Molecular Characterization of 39 HIV-1 Isolates Representi
(Subtypes A-G) and Group O: Sequence Analysis of gag p24, p
integrase, and env gp41.";
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AY214094; AAO61814.1; -.
GO: GO:0019031; C:viral envelope; IEA.
GO: GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
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integrase, and env gp41.";
Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AY214093; AAO61813.1; -.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Envelope protein.
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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(TrEMBLrel. 24, Last sequence update)
(TrEMBLrel. 25, Last annotation update)
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Viruses, Retroid viruses, Retroviridae, Lentivirus.
NCBI_TaxID=11676;
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NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
1; Mismatches 0;
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Pred. No. 1.9e-13;
1; Mismatches 0
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Best Local Similarity
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Q7ZJP0;
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Q7ZJR5;
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SEQUENCE

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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Viruses, Retroid viruses, Retroviridae, Lentivirus
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                                                                                                                                                                                                                                                                                            prevalence of non-B subtypes.";
Submitted (JUN-2001) to the EMBL/GenBank/DDBJ
EMBL; AJ318399; CAC85978.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity
InterPro; IPR000328; Env_GP41.
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Esteves A., Parreira R., Venenno T., F.
Germano de Sousa J., Canas-Ferreira W.
"Genetic diversity of HIV-1 spreding an
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L; AJ429042; CAD23678.1; -.
GO:0019031; C:viral envelope; IEA.
GO:0005198; F:structural molecule
erPro; IPR000328; Env_GP41.
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123 AA;
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NCBI_TaxID=11676;
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01-MAR-2003
01-JUN-2003
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                                                                                    SEQUENCE FROM N.A.

Esteves A., Parreira R., Venenno T., Franco M., Piedade J., de Sousa G., Canas-Ferreira W.;

"Molecular epidemiology of HIV-1 infection in Portugal: hig prevalence of non-B subtypes.";

Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AJ318406; CAC85985.1;

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
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O9YXR3;
O1-MAY-1999 (TrEMBLrel. 10, Created)
O1-MAY-1999 (TrEMBLrel. 10, Last sequence update)
O1-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein immunodominant region (Fragment)
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"HIV-1 subtypes among blood donors from Rio de Janeiro, Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases EMBL; AF034040; AAC79292.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Env_GP41.
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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.9e-13;
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MEDLINE=21134754; PubMed=11242522;
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MEDLINE=21134754; PubMed=1124.2522;
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MEDLINE=21134754; PubMed=11242522;
Yang C., Dash B., Hanna S.L., Frances H.S., Nzilambi N., Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal "Predominance of HIV type 1 subtype G among commercial sex from Kinshasa, Democratic Republic of Congo.";
AIDS Res. Hum. Retroviruses 17:361-365(2001).
EMBL; AF260467; AAF71934.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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(TrEMBLrel. 15, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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SEQÜENCE FROM N.A.

SEQÜENCE FROM N.A.

SEQÜENCE FROM N.A.

A de Sousa G., Canas-Ferreira W.;

Molecular epidemiology of HIV-1 infection in Portugal: high prevalence of non-B subtypes.";

L Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.

E Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.

R GO; GO:0016021; C:integral to membrane; IEA.

R GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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STRAIN=140.223;

Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S., Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;

"Serologic and Phylogenetic Characterization of HIV-1 Subtypes Uganda.";

Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF006866; AAD01310.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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STRAIN=264.643;

A Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S.,

Brennan C.A., Lund J.K., Jackson J.B., Devare S.G.;

T Serologic and Phylogenetic Characterization of HIV-1 Subtypes in Uganda.";

T Uganda.";

L Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF006923; AAD01367.1;

C GO:0016021; C:integral to membrane; IEA.

R GO; GO:0019031; C:viral envelope; IEA.

R GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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STRAIN=85CD085;
MEDLINE=21134754; PubMed=11242522;
Yang C., Dash B., Hanna S.L., Frances H.S., Nzilambi N.,
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                                            CRC64;
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Last sequence update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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InterPro; IPR000328; Env_GP41, Pfam; PF00517; GP41; 1.
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STRAIN=122.335;
Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S.,
Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;
"Serologic and Phylogenetic Characterization of HIV-1 Subtypes in Uganda.";
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
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Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., "Predominance of HIV type 1 subtype G among commercial from Kinshasa, Democratic Republic of Congo."; AIDS Res. Hum. Retroviruses 17:361-365(2001).
EMBL; AF260466; AAF71933.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Gp41 (Fragment).
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STRAIN=225.318;
Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S.
Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;
"Serologic and Phylogenetic Characterization of HIV-1 Subtype
Uganda.";
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
EMBL; AF006898; AAD01342.1;
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
                                                                                                                                                                                                                                SEQUENCE FROM N.A.

STRAIN=98CM010;

MEDLINE=20386754; PubMed=10933623;

Yang C., Gao F., Fonjungo P.N., Zekeng L., van der Groen Pieniazek D., Schable C., Lal R.B.;

"Phylogenetic analysis of protease and transmembrane reg type 1 group O.";

AIDS Res. Hum. Retroviruses 16:1075-1081(2000).

EMBL; AF229203; AAF71457.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
                                           01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Last sequence update)
Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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viruses; Retroviridae; Lentivirus
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Pred. No. 2e-13;
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                                                                             SEQUENCE FROM N.A.

STRAIN=102.938;

Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S.,

Brillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;

Renillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;

"Serologic and Phylogenetic Characterization of HIV-1 Subtypes in Uganda.";

L Uganda.";

L Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF006839; AAD01283.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

R Ffam; PF00517; GP41; 1.
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Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A
Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;
"Serologic and Phylogenetic Characterization of HIV-1 Subty
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Human immunodeficiency virus 1.
Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Submitted (JUN-1997) to the EMBL/GenBank/DDBJ da
EMBL; AF006937; AAD01381.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
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STRAIN=230.298;

A Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S.,

Brennan C.A., Lund J.K., Jackson J.B., Devare S.G.;

Brillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;

"Serologic and Phylogenetic Characterization of HIV-1 Subtypes in

Uganda.";

Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF006912; AAD01356.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

R GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

R Pfam; PF00517; GP41; 1.
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STRAIN=85CD246;
MEDLINE=21134754; PubMed=11242522;
MEDLINE=21134754; PubMed=11242522;
MEDLINE=21134754; PubMed=11242522;
MEDLINE=21134754; PubMed=11242522;
MEDLINE=21134754; PubMed=11242522;
MEDLINE=21134754; PubMed=11242522;
Anna C., Dash B., Hanna S.L., Frances H.S., Nzilambi N.,
Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.E
From Kinshasa, Democratic Republic of Congo.";
AIDS Res. Hum. Retroviruses 17:361-365(2001).
AIDS Res. Hum. Retroviruses 17:361-365(2001).
BMBL; AF260460; AAF71927.1; -
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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viruses; Retroviridae; Lentivirus
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viruses; Retroviridae; Lentivirus
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Pred. No. 2e-13;
                                                                                                                                                                                                                                                         129 AA
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                    RILAVERYLKDOQLLGIWGCSGKLIC
                                                     26 RVLAVERYLKDQQLLGIWGCSGKLIC
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larity 96.2%;
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(TrEMBLrel.
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Viruses; Retroid viruse
NCBI_TaxID=11676;
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129 AA;
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NCBI_TaxID=11676;
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01-OCT-2000
01-JUN-2003
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01-MAY-1999
01-JUN-2003
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Best Local S
Matches 25
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Q9YYY2;
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SEQUENCE FROM N.A.
STRAIN=85CD225;
MEDLINE=21134754; PubMed=11242522;
Yang C., Dash B., Hanna S.L., Frances H.S., Nzilambi N.,
Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B.;
"Predominance of HIV type 1 subtype G among commercial sex workers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAIN=326.662;
STRAIN=326.662;
Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S., Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;
"Serologic and Phylogenetic Characterization of HIV-1 Subtypes in Uganda.";
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
EMBL; AF006941; AAD01385.1; -.
GO: GO:0016021; C:integral to membrane; IEA.
GO: GO:0019031; C:viral envelope; IEA.
GO: GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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Last sequence update)
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(TrEMBLrel. 15, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 2.1e-13;
; Mismatches 0;
                                      33C9EE30DA2A98C4
                                                                        138; DB 15;
No. 2.1e-13;
                                                                       Score 138; DB Pred. No. 2.1e 1; Mismatches
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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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15931 MW;
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illarity 96.2%;
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133 AA;
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01-MAY-1999
01-MAY-1999
01-JUN-2003
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STRAIN=00ZM148F;
MEDLINE=21602569; PubMed=11739704;
Trask S.A., Derdeyn C.A., Fideli U., Chen Y., Meleth S., Ka Musonda R., Hunter E., Gao F., Allen S., Hahn B.H.; "Molecular epidemiology of human immunodeficiency virus typ transmission in a heterosexual cohort of discordant couples
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                                                                                                                                                                                                                        Length 132
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J. Virol. 76:397-405(2002).

EMBL; AF405152; AAL66672.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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Last annotation update)
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(TrEMBLrel. 20, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Pred. No. 2.1e-13;
L; Mismatches 0;
                                                                                                                                                                                       6A05003B8A9F2B14
                                                                                                                                                                                                                     Score 138; DB 15;
Pred. No. 2.1e-13;
                                                                                       activity;
     Democratic Republic of Congo."; Retroviruses 17:361-365(2001).
                                                                                                                                                                                                                                                                                                                                                                                                      133 AA
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Mismatches
              AIDS Res. Hum. Retrovature.

AIDS Res. Hum. Retrovature.

EMBL; AF260476; AAF71943.1; -.

GO; GO:0016021; C:integral to membrane; IE

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule actil
InterPro; IPR000328; Env_GP41.
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01-MAR-2002 (TrEMBLrel. 20, Creat
01-MAR-2002 (TrEMBLrel. 20, Last
01-JUN-2003 (TrEMBLrel. 24, Last
Envelope glycoprotein (Fragment)
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16145 MW;
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llarity 96.2%;
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133 AA;
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AIDS Res. Hum.
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Q8UQZ6;
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Brennan C.A., Lund J.K., Golden A., Yamaguchi J., Vallari A.S.,

Brennan C.A., Lund J.K., Jackson J.B., Devare S.G.;

Phillips J.F., Kataaha P.K., Jackson J.B., Devare S.G.;

"Serologic and Phylogenetic Characterization of HIV-1 Subtypes in

Uganda.";

Lunderted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

EMBL; AF006850; AAD01294.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

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SEQUENCE FROM N.A.
STRAIN=98ZM098M;
MEDLINE=21602569; PubMed=11739704;
Trask S.A., Derdeyn C.A., Fideli U., Chen Y., Meleth S., Kask Musonda R., Hunter E., Gao F., Allen S., Hahn B.H.;
"Molecular epidemiology of human immunodeficiency virus type transmission in a heterosexual cohort of discordant couples
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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(TrEMBLrel. 24, Last annotation update
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Pred. No. 2.1e-13;
1; Mismatches 0;
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J. Virol. 76:397-405(2002).
EMBL; AF405187; AAL66700.1; -.
GO; GO:0019031; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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"Molecular epidemiology of HIV type 1 subtypes in 3 AIDS Res. Hum. Retroviruses 17:851-855(2001).
EMBL; AF331078; AAK92289.1; -. GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEI InterPro; IPR000328; Env. GP41.
Pfam; PF00517; GP41; 1.
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Viruses, Retroid viruses, Retroviridae, Lentivirus
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MEDLINE=21322034; PubMed=11429126;
Ortiz M., Sanchez I., Gonzalez M.P., Leon M.I., Abé
Garcia-Saiz A.;
"Molecular epidemiology of HIV type 1 subtypes in I
Molecular epidemiology of Firestroying 17:851-855(2001).
EMBL; AF331148; AAK92359.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEI
InterPro; IPR000328; Env GP41.
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MEDLINE=21322034; PubMed=11429126;
Ortiz M., Sanchez I., Gonzalez M.P.,
                                                     36 RVLAVERYLKDQQLLGIWGCSGKLIC
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01-JUN-2003 (TrEMBLrel. 24, Last
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STRAIN=99ES-MO1475;
MEDLINE=21322034; PubMed=11429126;
Ortiz M., Sanchez I., Gonzalez M.P., Leon M.I., Abeso N., Asumu E.
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EMBL; AF331123; AAK92334.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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"Molecular epidemiology of HIV type 1 subtypes in Equat AIDS Res. Hum. Retroviruses 17:851-855(2001).
EMBL; AF331084; AAK92295.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 19, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.1e-13;
L; Mismatches 0;
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STRAIN=99ES-MO1557;
MEDLINE=21322034; PubMed=11429126;
Ortiz M., Sanchez I., Gonzalez M.P., Leon M.I.,
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"Molecular epidemiology of HIV type 1 subtypes in Equatoria AIDS Res. Hum. Retroviruses 17:851-855(2001).
EMBL; AF331104; AAK92315.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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MEDLINE=21602569; PubMed=11739704;
Trask S.A., Derdeyn C.A., Fideli U., Chen Y., Meleth S., Ka
Musonda R., Hunter E., Gao F., Allen S., Hahn B.H.;
"Molecular epidemiology of human immunodeficiency virus typ
                                          Length 133
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MEDLINE=21322034; PubMed=11429126;
Ortiz M., Sanchez I., Gonzalez M.P., Leon M.I., Abeso N.,
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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STRAIN=99ES-MO1541;
MEDLINE=21322034; PubMed=11429126;
MEDLINE=21322034; PubMed=11429126;
MEDLINE=21322034; PubMed=11429126;
MEDLINE=21322034; PubMed=11429126;
Ortiz M., Sanchez I., Gonzalez M.P., Leon M.I., Abeso N., Asumu E., Garcia-Saiz A.;
"Molecular epidemiology of HIV type 1 subtypes in Equatorial Guinea AIDS Res. Hum. Retroviruses 17:851-855(2001).
EMBL; AF331116; AAK92327.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
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discordant
                                                                                                          IEA
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(TrEMBLrel. 19, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Last sequence update)
Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.1e-13;
1; Mismatches 0;
              Zambia.";
J. Virol. 76:397-405(2002).

EMBL; AF405154; AAL66674.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity;

InterPro; IPR000328; Env GP41.

Pfam; PF00517; GP41; 1.

Transmembrane.
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Pred. No. 2.1e-13;
1; Mismatches 0;
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O1-MAR-2002 (TrEMBLrel. 20, Create 01-MAR-2003 (TrEMBLrel. 24, Last 8 01-JUN-2003 (TrEMBLrel. 24, Last 8 Envelope glycoprotein (Fragment). ENV.
Human immunodeficiency virus 1.
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Pfam; PF00517; GP41; 1.
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Similarity 96.2%;
25; Conservative
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SEQUENCE FROM N.A.

STRAIN=99ES-MO1521;

MEDLINE=21322034; PubMed=11429126;

A Ortiz M., Sanchez I., Gonzalez M.P., Leon M.I., Abeso N., Asumu E., A Garcia-Saiz A.;

"Molecular epidemiology of HIV type 1 subtypes in Equatorial Guinea.";

"Molecular epidemiology of HIV type 1 subtypes in Equatorial Guinea.";

"Molecular epidemiology of HIV type 1 subtypes in Equatorial Guinea.";

"Molecular epidemiology of HIV type 1 subtypes in Equatorial Guinea.";

"Molecular epidemiology of HIV type 1 subtypes in Equatorial Guinea.";

EMBL; AF331106; AAK92317.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

R Pfam; PF00517; GP41; 1.
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                                                                                                                                                                                                                      Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
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STRAIN=99ES-MO1536;
MEDLINE=21322034; PubMed=11429126;
Ortiz M., Sanchez I., Gonzalez M.P., Leon M.I.,
Garcia-Saiz A.;
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"Molecular epidemiology of HIV type 1 subtypes i
AIDS Res. Hum. Retroviruses 17:851-855(2001).
EMBL; AF331114; AAK92325.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env. GP41.
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Pred. No. 2.1e-13;
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Pred. No. 2.1e-13;
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Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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Matches 25; Conservative
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NCBI_TaxID=11676;
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( MEDLINE=21134754; PubMed=11242522;

Yang C., Dash B., Hanna S.L., Frances H.S., Nzilambi N., Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B From Kinshasa, Democratic Republic of Congo.";

AIDS Res. Hum. Retroviruses 17:361-365(2001).

R GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

R Ffam; PF00517; GP41; 1.
                                                                                     MEDLINE=21602569; PubMed=11739704;
Trask S.A., Derdeyn C.A., Fideli U., Chen Y., Meleth S., Kasc Musonda R., Hunter E., Gao F., Allen S., Hahn B.H.;
"Molecular epidemiology of human immunodeficiency virus type transmission in a heterosexual cohort of discordant couples i Zambia.";
J. Virol. 76:397-405(2002).
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EMBL; AF405155; AAL66675.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA
InterPro; IPR000328; Env_GP41.
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01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
  viruses; Retroviridae; Lentivirus
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 2.1e-13;
1; Mismatches 0;
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Pred. No. 2.1e-13;
1; Mismatches 0
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16058 MW;
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Similarity 96.2%;
25; Conservative
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Viruses, Retroid
NCBI_TaxID=11676
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NCBI_TaxID=11676;
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GO; GO:0005198; F:structural InterPro; IPR000328; Env_GP41 Pfam; PF00517; GP41; 1.
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STRAIN=GT853;
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Yang C., Dash B., Hanna S.L., Frances H.S., Nzilambi N.,
Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B
"Predominance of HIV type 1 subtype G among commercial sex wor
from Kinshasa, Democratic Republic of Congo.";
AIDS Res. Hum. Retroviruses 17:361-365(2001).
EMBL; AF260470; AAF71937.1; -.
GO; GO:0019031; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 20, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
                                                                                                                                                                                       (TrEMBLrel. 15, Created)
(TrEMBLrel. 15, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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NCBI_TaxID=11676;
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Pred. No. 2.1e-13;
1; Mismatches 0.
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L; AF405153; AAL66673.1; -.
GO:0016021; C:integral to membrane; IEA
GO:0019031; C:viral envelope; IEA.
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STRAIN=00ZM148M;
MEDLINE=21602569; PubMed=11739704;
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Best Local Similarity 96.2%;
Matches 25; Conservative
  Conservative
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Q8UQZ5;
01-MAR-2002
01-MAR-2002
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01-OCT-2000
01-OCT-2000
01-JUN-2003
  25;
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J. Virol.
EMBL; AF40
GO; GO:001
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SEQUENCE FROM N.A.
STRAIN=SP-M1270;
MEDLINE=20584646; PubMed=11153079;
Ortiz M., Munoz L., Bernal A., Rodriguez A., Zorraquino Ortiz M., Munoz L., Bernal A., Garcia-Saiz A.;
"Molecular Characterization of Non-B HIV Type 1 Subtype in Spain.";
AIDS Res. Hum. Retroviruses 16:1967-1971(2000).
EMBL; AF255938; AAG36893.1; -.
GO; GO:0019031; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Transmembrane.
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(TrEMBLrel. 16, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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(TrEMBLrel. 25, Last sequence update)
(TrEMBLrel. 25, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Mismatches 0;
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Pred. No. 2.2e-13;
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Q9IWP3;
01-OCT-2000
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Q70207;
01-NOV-1996
01-NOV-1996
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Best Local (
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STRAIN=85CD350;
MEDLINE=21134754; PubMed=11242522;
Yang C., Dash B., Hanna S.L., Frances H.S., Nzilambi N., Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal "Predominance of HIV type 1 subtype G among commercial sex from Kinshasa, Democratic Republic of Congo.";
                                                                                                                                                                                                                                                                                                          Gonzalez Perez M.P., Garcia Saiz A.;
"Epidemiological and molecular characteristics of HIV and infection in Equatorial Guinea, 1996-1998.";
Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AF529988; AAP87719.1; -.
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01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676,
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.2e-13;
L; Mismatches 0;
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Pred. No. 2.2e-13;
1; Mismatches 0;
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(TrEMBLrel. 25, Last annotation
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01-OCT-2003 (TrEMBLrel.
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MEDLINE=21134754; PubMed=11242522;
MEDLINE=21134754; PubMed=11242522;
Yang C., Dash B., Hanna S.L., Frances H.S., Nzilambi N.,
Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B
Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B
Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B
Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B
Colebunders R.C., St Louis M., Quinn T.C., Folks T.M., Lal R.B
Fredominance of HIV type 1 subtype G among commercial sex wor from Kinshasa, Democratic Republic of Congo.";
AIDS Res. Hum. Retroviruses 17:361-365(2001).
EMBL, AF260483; AAF71950.1; -
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein gp41 region (Fragment).
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Pred. No. 2.3e-13;
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Pred. No. 2.3e-13
AIDS Res. Hum. Retroviruses 17:361-365(2001)
EMBL; AF260475; AAF71942.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activiruterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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STRAIN=HRLUX46-2;

Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.;

"Uncommon mutations at residue positions critical for enfuvirtide (T-
20) resistance in enfuvirtide-naive patients infected with subtype B

and non-B HIV-1.";

Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185371; AA065646.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

R Pfam; PF00517; GP41; 1.

Enverage
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STRAIN=HRLUX50-1;
Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with subtype B and non-B HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185378; AAO65653.1; -. GO: GO: 0019031; C: viral envelope; IEA.

GO: GO: 0005198; F: structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

Pfam; PF00517; GP41; 1.
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
                                            01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                           Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
; Mismatches 0
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Pred. No. 2.3e-13;
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ilarity 96.2%;
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Calabro M.L., Zanotto C., Calderazzo F., Crivellaro C., Del Mis De Rossi A., Chieco-Bianchi L.;

"HIV-1 infection of the thymus: evidence for a cytopathic and thymotropic viral variant in vivo.";

AIDS Res. Hum. Retroviruses 11:11-19(1995).

EMBL; U09252; AAA79038.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
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Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with subtype B and non-B HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185379; AA065654.1; -. GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Pfam; PF00517; GP41; 1.

Envelope protein.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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SEROIDENCE FROM N.A.

Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.;

A Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.;

T Uncommon mutations at residue positions critical for enfuvirtide (T.

I Uncommon mutations at residue positions critical for enfuvirtide (T.

I 20) resistance in enfuvirtide-naive patients infected with subtype B and non-B HIV-1.";

E and non-B HIV-1.";

Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

E EMBL; AY185382; AA065657.1; ..

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

R GO; GO:0005198; E:structural molecule activity; IEA.

R Dfam; PF00517; GP41; 1.

R Envelope protein.
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STRAIN=HRLUX59-1;
Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with subtype B and non-B HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
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(TrEMBLrel. 24, Last sequence update)
(TrEMBLrel. 25, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
; Mismatches 0;
Score 138; DB 15;
Pred. No. 2.3e-13;
; Mismatches 0
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01-OCT-2003 (TrEMBLrel. 25, Last
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TRAIN=HRIUX63-1;

Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

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Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.;

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T. Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185401; AA065676.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

R. Ffam; PF00517; GP41; 1.

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                                                          Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with subtype B and non-B HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185398; AA065673.1; -. GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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R GO; GO:0019031; C:viral envelope; IEA.
R GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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Q7ZCC5;
01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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Q7ZCC2;
Q7ZCC2;
01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with subtype B and non-B HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases. EMBL; AY185406; AAO65681.1; -. GO; GO:0019031; C:viral envelope; IEA. GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Env_GP41. Franklope protein.
                                                                              01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation updat
Envelope glycoprotein (Fragment).
                                                                                                                                                       Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

STAIN=HRLUX65-1;

A Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

A Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.;

T Uncommon mutations at residue positions critical for enfuvirtide (T-

T 20) resistance in enfuvirtide-naive patients infected with subtype B

T and non-B HIV-1.";

Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185405; AA065680.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

R GO; GO:0005198; Env_GP41.

R Ffam; PF00517; GP41; 1.

Envelope protein.
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EMBL; AY185402; AAO65677.1; -. GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.

Envelope protein.
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                                 Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
1; Mismatches 0;
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Pred. No. 2.3e-13;
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Mismatches
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Envelope glycoprotein (Fragment)
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Similarity 96.2%;
25; Conservative
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144 AA;
                                                   Viruses, Retroid .
NCBL_TaxID=11676;
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Q7ZCB5;
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Score 138; DB 15; Pred. No. 2.3e-13; ; Mismatches 0;

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Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with subtype B and non-B HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
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(TrEMBLrel. 25, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
Q7ZCB1;
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01-OCT-2003 (TrEMBLrel. 25, Last
Envelope glycoprotein (Fragment)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 2.3e-13;
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01-OCT-2003 (TrEMBLrel. 25, Last
Envelope glycoprotein (Fragment)
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O7ZCA6;
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EMBL; AY185415; AA065690.1; -. GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
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SEQUENCE FROM N.A.
STRAIN=HRLUX75-2;
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C STRAIN=HRLUX75-1;

A Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

A Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.;

T "Uncommon mutations at residue positions critical for enfuvirtide (T-

T 20) resistance in enfuvirtide-naive patients infected with subtype B

T and non-B HIV-1.";

L Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185424; AA065699.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

R InterPro; IPR000328; Env. GP41.

R Ffam; PF00517; GP41; 1.

R Envelope protein.
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and non-B HIV-1.";
Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AY185422; AA065697.1; -.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Envelope protein.
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
1; Mismatches 0;
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Pred. No. 2.3e-13;
L; Mismatches 0
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(TrEMBLrel. 24, Last seq
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01-JUN-2003
01-JUN-2003
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SEQUENCE FROM N.A.

STRAIN=HRLUX89-1;

Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T.,

"Uncommon mutations at residue positions critical for enfuvirtide (T-

"Uncommon mutations at residue positions critical for enfuvirtide (T-

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Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with subtype B and non-B HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases. EMBL; AY185425; AAO65700.1; -. GO; GO:0019031; C:viral envelope; IEA. GO:0005198; F:structural molecule activity; IEA. IPR000328; Env_GP41.
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
; Mismatches 0;
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Pred. No. 2.3e-13;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with B and non-B subtype HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
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GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
Pfam; PF00517; GP41; 1.
-JUN-2003 (TrEMBLrel. 24, Last sequence update) -OCT-2003 (TrEMBLrel. 25, Last annotation update)
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(TrEMBLrel. 24, Last sequence update)
(TrEMBLrel. 25, Last annotation update)
                               Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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                                                                                                                                                                                                                                                         Score 138; DB 15;
Pred. No. 2.3e-13;
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25; Conser
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STRAIN=HRLUX31;
Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with B and non-B subtype HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                            Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C. "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with B and non-subtype HIV-1.";
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                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (NOV-2002) to the EMBL/GenBank/DDBJ database EMBL; AY185471; AAO65746.1; -. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Envelope protein.
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(TrEMBLrel. 24, Last sequence update)
(TrEMBLrel. 25, Last annotation update)
                                                                                                                                         Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
                                      01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 138; DB 15;
Pred. No. 2.3e-13;
1; Mismatches 0;
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Similarity 96.2%;
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SEQUENCE FROM N.A.
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InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Envelope protein.
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NON_TER 145
SEQUENCE 145 AA; 17043 MW;
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Best Local Similarity 96.2%;
Matches 25; Conservative
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GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1..

Envelope protein.

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NON_TER

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SEQUENCE 145 AA; 16012 ***.
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                                                                                                                                                                            Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Víruses; Retroid víruses; Retroviridae; Lentívirus.
NCBI_TaxID=11676;
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2.3e-13;
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O72C32;
O72C32;
O1-JUN-2003 (TrEMBLrel. 24, Created)
O1-JUN-2003 (TrEMBLrel. 24, Last sequence update)
O1-OCT-2003 (TrEMBLrel. 25, Last annotation updat Envelope glycoprotein (Fragment).
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Pred. No. 2.3e-13;
1; Mismatches 0;
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        Score 138;
Pred. No.
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                        Similarity 25; Conser
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   Query Match
Best Local S
Matches 25
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SEQUENCE
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Best Local S
Matches 25
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SEQUENCE FROM N.A.
STRAIN=HRLUX2;
Roman F., Gonzalez D., Lambert C., Deroo S., Fischer A., Baurith T., Staub T., Boulme R., Arendt V., Schneider F., Hemmer R., Schmit J.-C.; "Uncommon mutations at residue positions critical for enfuvirtide (T-20) resistance in enfuvirtide-naive patients infected with B and non-B subtype HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AY185452, AAO65727.1; -.
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R., Schmit J.-C.;
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GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

R InterPro; IPR000328; Env_GP41.

R Fam; PF00517; GP41; 1.

NON_TER 146 AA. ...
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4487A149CEC57570 CRC64;
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STRAIN=HRLUX40;
Roman F., Gonzalez D., Lambert C., Deroo S., Fischer
Staub T., Boulme R., Arendt V., Schneider F., Hemmer
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01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 25, Last sequence update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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072C30;
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 25, Last annotation update
01-OCT-2003 (TrEMBLrel. 25, Last annotation update
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Pred. No. 2.3e-13;
1; Mismatches 0;
                                        Score 138; DB 15;
Pred. No. 2.3e-13;
1; Mismatches 0
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Q8J3Q1
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"Uncommon mutations at residue positions critical for enfuv 20) resistance in enfuvirtide-naive patients infected with subtype HIV-1."; Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                   Gonzalez Perez M.P., Garcia Saiz A.; "Epidemiological and molecular characteristics of HIV and infection in Equatorial Guinea, 1996-1998."; Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
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                                  EMBL; AY185490; AAO65765.1; -.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Envelope protein.
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(TrEMBLrel. 25, Last sequence update)
(TrEMBLrel. 25, Last annotation update)
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003 (TrEMBLrel. 25, Last sequence update)
003 (TrEMBLrel. 25, Last annotation update)
glycoprotein (Fragment).
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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ed. No. 2.3e-13;
Mismatches 0;
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Pred. No. 2.3e-13;
1; Mismatches 0
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Gonzalez Perez M.P., Garcia Saiz A.;
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ilarity 96.2%;
Conservative
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nes 25; Conser
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STRAIN=GM142;
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Q7SM37;
01-OCT-2003
01-OCT-2003
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Envelope 91y
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EMBL; AY18
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MEDLINE=22092513; PubMed=12097573;

MEDLINE=22092513; PubMed=12097573;

MEDLINE=22092513; PubMed=12097573;

Boutconnet N., Janssens W., Boutton C., Verschelde J.L., Heyndrickx

Beirnaert E., van der Groen G., Lasters I.;

"Comparison of predicted scaffold-compatible sequence variation in triple-hairpin structure of human immunodeficiency virus type 1 gp4

Triple-hairpin structure of human immunodeficiency virus type 1 gp4

Triple-hairpin structure of human immunodeficiency virus type 1 gp4

Triple-hairpin Structural to membrane; IEA.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Transmembrane.
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"Epidemiological and molecular characteristics of HIV are infection in Equatorial Guinea, 1996-1998."; Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases EMBL; AF529972; AAP87703.1; -.
                                                                                                                                 CRC64;
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NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.3e-13;
L; Mismatches 0;
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Pred. No. 2.5e-13;
1; Mismatches 0
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nes 25; Conservative
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Q8J3Q1;
01-OCT-2002 (TrEMBLrel.
01-OCT-2003 (TrEMBLrel.
01-JUN-2003 (TrEMBLrel.
GP41 protein (Fragment).
ENV.
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Beirnaert E., van der Groen G., Lasters I.;

"Comparison of predicted scaffold-compatible sequence variatic triple-hairpin structure of human immunodeficiency virus type J. Virol. 76:7595-7606(2002).

EMBL; AJ428002; CAD20954.1; -.

GO; GO:0019031; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.

Transmembrane.
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"High frequency of recombinant genomes in HIV-1 samples from Southeastern and Southern regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF463427; AAM90803.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.5e-13;
L; Mismatches 0;
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Pred. No. 2.5e-13;
L; Mismatches 0;
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nes 25; Conservative
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ilarity 96.2%;
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SEQUENCE FROM N.A.

MEDLINE=22092513; PubMed=12097573;

MEDLINE=22092513; PubMed=12097573;

MEDLINE=22092513; PubMed=12097573;

Boutonnet N., Janssens W., Boutton C., Verschelde J.L., Heyndrickx L.,

A Beirnaert E., van der Groen G., Lasters I.;

Comparison of predicted scaffold-compatible sequence variation in the striple-hairpin structure of human immunodeficiency virus type 1 gp41

Triple-hairpin structure of human immunodeficiency virus type 1 gp41

I J. Virol. 76:7595-7606(2002).

R MBL; AJ427994; CAD20946.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.

Transmembrane.

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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Q90E80;
01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.6e-13;
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Pred. No. 2.5e-13;
; Mismatches 0;
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ da
EMBL; AY037950; AAK72323.1; ".
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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18491 MW;
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163
19242 MW;
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larity 96.2%;
Conservative
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96.2%;
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121FACDABCD75A0D CRC64;
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databa
EMBL; AY037957; AAK72330.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databababitted (JUN-2001) to the EMBL/GenBank/DDBJ databababit AY037963; AAK72336.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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(TrEMBLrel. 19, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
                                                                                                                                                                                                                                                                                                                                     Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.6e-13;
1; Mismatches 0;
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(TrEMBLrel. 19, Last sequence (TrEMBLrel. 24, Last annotation)
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19274 MW;
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Best Local Similarity 96.25
Est Local Similarity 25.25
                                                                                                                                                   PRELIMINARY;
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163 AA;
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01-DEC-2001
01-DEC-2001
01-JUN-2003
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01-DEC-2001
01-JUN-2003
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NON TER
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                                                                                              RESULT 289
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"Phylogenetic analysis of part of env gene of HIV-1 isolates from
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Sichuan.";
Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databa
EMBL; AY037954; AAK72327.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
                   01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Q90E69;
Q90E69;
01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2003 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                         Human immunodeficiency virus 1.
Viruses, Retroid viruses, Retroviridae, Lentivirus.
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.6e-13;
1; Mismatches 0,
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Pred. No. 2.6e-13;
1; Mismatches 0,
   163
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163
19285 MW;
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25; Conservative
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PRELIMINARY;
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163 AA;
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163
163 AA;
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25; Conserv
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                                                                                                                                                                                                                                                                                                                                                             STRAIN=SC27;
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Submitted
EMBL; AY03
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Best Local S
Matches 25
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                                                                                                      01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databa
EMBL; AY037959; AAK72332.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Transmembrane.
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Q90E71,
Q1-DEC-2001 (TrEMBLrel. 19, Created)
Q1-DEC-2001 (TrEMBLrel. 19, Last sequence update)
Q1-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                  Human immunodeficiency virus 1.
Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Pred. No. 2.6e-13;
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19200 MW;
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"Phylogenetic analysis of part
96.2%;
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nilarity 96.2%;
Conservative
         Conservative
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Matches 25; Conser
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01-DEC-2001
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01-JUN-2003
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ da
EMBL; AY037956; AAK72329.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
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Pred. No. 2.6e-13;
1; Mismatches 0;
                                                                    Score 138; DB 15;
Pred. No. 2.6e-13;
L; Mismatches 0;
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nes 25; Conservative
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PRELIMINARY;
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164 AA;
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164 AA;
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         IEA.
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Q90E65;
01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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Last annotation update)
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NCBI_TaxID=11676;
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viruses; Retroviridae; Lentivirus
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MEDLINE=22092513; PubMed=12097573;
Boutonnet N., Janssens W., Boutton C., Verschelde
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red. No. 2.6e-13;
Mismatches 0;
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        activity;
                                                       82180C09173ADCA8
                                                                       Score 138; DB 15;
Pred. No. 2.6e-13;
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GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule InterPro; IPR000328; Env_GP41. Pfam; PF00517; GP41; 1.
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Submitted (JUN-2001)
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163 AA;
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                               Transmembrane.
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01-JUN-2003
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                                                                                                                                                                                                                                                                                                          Length 164;
Beirnaert E., van der Groen G., Lasters I.;
"Comparison of predicted scaffold-compatible sequence variat
triple-hairpin structure of human immunodeficiency virus typ
with patient data.";
J. Virol. 76:7595-7606(2002).
EMBL; AJ427991; CAD20943.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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(TrEMBLrel. 19, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Q90E81;
01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ da
EMBL; AY037952; AAK72325.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
Transmembrane.
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Pred. No. 2.6e-13;
1; Mismatches 0;
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Pred. No. 2.6e-13;
1; Mismatches 0
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19224 MW;
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larity 96.2%;
Conservative
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25; Conservative
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Gaps
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                                                                                                                                                                        Sichuan.";
Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AY037960; AAK72333.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.
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                                                                                                                                                    Yang D., Tang H., Hu X.;
sis of part of env gene of HIV-1
         01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databate GO: GO: GO: 0019031; C: integral to membrane; IEA.
GO; GO: 0019031; C: viral envelope; IEA.
GO; GO: 0005198; F: structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Transmembrane.
                                                                    Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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(TrEMBLrel. 19, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.6e-13;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                Score 138; DB 15;
Pred. No. 2.6e-13;
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Mismatches
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Q90E82;
01-DEC-2001 (TrEMBLrel. 19, Create 01-DEC-2001 (TrEMBLrel. 19, Last s 01-JUN-2003 (TrEMBLrel. 24, Last a Envelope glycoprotein (Fragment). ENV.
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19249 MW;
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19246 MW;
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nilarity 96.2%;
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"Phylogenetic analysis
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164 AA;
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164 AA;
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25; Conser
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env gene of HIV-1 isolate
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                                                                                                                             EMBL; AY037949; AAK72322.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Env_GP41.

Pfam; PF00517; GP41; 1.

Transmembrane.
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Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databa
EMBL; AY037966; AAK72339.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
                viruses; Retroviridae; Lentivirus
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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larity 96.2%; Pred. No. 2.6e-13;
Conservative 1; Mismatches
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2.6e-13;
                                                                          Feng H., Huang Y., Yang D., Tang H., Hu X.; "Phylogenetic analysis of part of env gene of
                                                                                                                     to the EMBL/GenBank/DDBJ
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Human immunodeficiency
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Submitted (JUN-2001)
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Best Local Similarity
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                                                     FROM N.A.
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              Viruses, Retroid .
NCBI_TaxID=11676;
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Q90E64;
01-DEC-2001
01-JUN-2003
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SEQUENCE
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Best Local
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SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
STRAIN=CDNR-0;
Poveda E., Rodes B., Toro C., Martin-Carbonero L., Soriano V.;
T -20, a fusion inhibitor.";
T -20, a fusion inhibitor.";
L Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
R GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
Pfam; PF00517; GP41; 1.
                                                                                                                          STRAIN=CDNR-1;

Poveda E., Rodes B., Toro C., Martin-Carbonero L., Soriano V.;

"Evolution of the env gene (gp41) in HIV-1 positive patients rediction inhibitor.";

T-20, a fusion inhibitor.";

Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.

EMBL; AF500087; AAM21673.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.
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                             01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Last annotation update)
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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 2.9e-13;
L; Mismatches 0;
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Pred. No. 2.9e-13;
1; Mismatches 0;
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nilarity 96.2%;
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180 AA;
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181 AA;
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        Q8JER3;
Q8JER3;
01-OCT-2002
01-JUN-2003
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01-OCT-2002
01-OCT-2002
01-JUN-2003
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Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Castro B.,
Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Castro B.,
Morgado M.G.;
"High frequency of recombinant genomes in HIV-1 samples from Brazilian
Southeastern and Southern regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF463447; AAM90823.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env_GP41.
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STRAIN=96BRRJ101;
Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Cast Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Cast Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Cast Morgado M.G.;
"High frequency of recombinant genomes in HIV-1 sample Southeastern and Southern regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ database EMBL; AF463436; AAM90812.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00517; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Transmental MON TED
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                                                                  (TrEMBLrel. 22, Created)
(TrEMBLrel. 22, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Last annotation update)
                                                                                                                                                                                                                                                                             Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 3e-13;
; Mismatches
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PRT;
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188 AA;
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samples from Brazilian

genomes in HIV-1

databases

Galvao-Castro

-09-733-239

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"High frequency of recombinant genomes in HIV-Southeastern and Southern regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJEMBL; AF463431; AAM90807.1; -.
            STRAIN=95BRRJ020;
Guimaraes M.L., Moreira A.S., Loureiro R.,
Morqado M.G.;
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nes 25; Conser
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STRAIN=95BRRJ019;
Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Castro B.,
Morgado M.G.;
Morgado M.G.;
"High frequency of recombinant genomes in HIV-1 samples from B Southeastern and Southern regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF463432; AAM90808.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
                                Transmembrane.
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                                                                                 Length
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(TrEMBLrel. 22, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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(TrEMBLrel. 22, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
[1]
                                                                              Score 138; DB 15;
Pred. No. 3.1e-13;
L; Mismatches 0;
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Pred. No. 3.1e-13;
1; Mismatches 0;
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InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein;
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21717 MW;
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22182 MW;
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ilarity 96.2%;
Conservative
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illarity 96.2%;
Conservative
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190 AA;
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Best Local Similarity
Matches 25; Conser
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192 AA;
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Matches 25; Conser
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Q8JAL2
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Morgado M.G.;
"High frequency of recombinant genomes in HIV-1 samples from Bra
Southeastern and Southern regions.";
Southeastern and Southern regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF463429; AAM90805.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
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PIR; A53591; A53591.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
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(TrEMBLrel. 22, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 3.2e-13;
1; Mismatches 0;
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Pred. No. 3.3e-13;
1; Mismatches 0;
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OBJALS;
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22918 MW;
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illarity 96.2%;
Conservative
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Pfam; PF00517; GP41; 1
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Polyprotein; NoN TER 22 SEQUENCE 22
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Q991B9;
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01-JUN-2001
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Matches 25
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Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF463426; AAM90802.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral capsid; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000777; GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
AIDS; Coat protein; Glycoprofined and activity of the coat protein; Glycoprofined activity of the coat protein activity of the coat prot
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Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Castro B., Morgado M.G.;
Morgado M.G.;
"High frequency of recombinant genomes in HIV-1 samples from Southeastern and Southern regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF463424; AAM90800.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
R InterPro; IPR000777; GP120.
R Pfam; PF00516; GP120; 1.
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(TrEMBLrel. 22, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Conservative 1; Mismatches 0;
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STRAIN=95BRRJ013;
Guimaraes M.L., Moreira A.S., Loureiro
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Q8JAL8;
01-OCT-2002
01-JUN-2003
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01-OCT-2002
01-JUN-2003
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Ishiko H., West K., Zeng W., Spaulding A., Islam S., Norman J.,
Zivny I., Jarry W., Pozzi L., Kurane I., Ennis F.;
"Autologous HIV-1-specific cytotoxic T lymphocytes (CTL) established at two different time points: Role of CTL in the emergence of escapecmutants.";
Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AB047357; BAB32638.1; -.
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AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane NON TER 1 1 1 1 1 1 1 1 1 1 217 217 217 217 SEQUENCE 217 AA; 24952 MW; 3F41BA3210A46167 CRC64;
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Ishiko H., West K., Zeng W., Spaulding A., Islam S., Norman Zivny I., Jarry W., Pozzi L., Kurane I., Ennis F.;

Zivny I., Jarry W., Pozzi L., Kurane I., Ennis F.;

"Autologous HIV-1-specific cytotoxic T lymphocytes (CTL) est at two different time points: Role of CTL in the emergence c mutants.";

Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AB047355; BAB32636.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env_GP41.

Pefam; PF00517; GP41; 1.

Pefam; PF00517; Transmembrane.
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope polyprotein (Fragment).
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope polyprotein (Fragment).
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
                                                                            Score 138; DB 15; I
Pred. No. 3.5e-13;
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Pred. No. 3.7e-13;
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Ishiko H., West K., Zeng W., Spaulding A., Islam S., Norman Zivny I., Jarry W., Pozzi L., Kurane I., Ennis F.; "Autologous HIV-1-specific cytotoxic T lymphocytes (CTL) es at two different time points: Role of CTL in the emergence mutants.";
                                                                                                                                                                                                                                                           Length 225
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope polyprotein (Fragment).
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env GP41.
Pfam; PF00517; GP41; 1.
Polyprotein; Transmembrane.
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01-JUN-2001 (TrEMBLrel. 17, Last
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Envelope polyprotein (Fragment)
Human immunodeficiency virus 1.
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Ishiko H., West K.,
Zivny I., Jarry W.,
                                                                                                                                                                              225
225 AA;
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225 AA;
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Q991C4;
01-JUN-2001
01-JUN-2001
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NON_TER
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01-JUN-2001
01-JUN-2001
01-JUN-2003
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SEQUENCE
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Best Local S
Matches 25
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Q991C4
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SERIENCE A. Islam S., Norman J.,

Zivny I., Jarry W., Pozzi L., Kurane I., Ennis F.;

"Autologous HIV-1-specific cytotoxic T lymphocytes (CTL) established

T at two different time points: Role of CTL in the emergence of escaped

T mutants.";

Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AB047351; BAB32632.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

R InterPro; IPR000328; Env_GP41.

R Pfam; PF00517; GP41; 1.

P Polyprotein; Transmembrane.
    established
se of escaped
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"Autologous HIV-1-specific cytotoxic T lymphocytes (CTL) es
at two different time points: Role of CTL in the emergence
mutants.";
Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope polyprotein (Fragment).
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Q99IC0;
Q1-JUN-2001 (TrEMBLrel. 17, Created)
O1-JUN-2001 (TrEMBLrel. 17, Last sequence update)
O1-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope polyprotein (Fragment).
Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
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3.7e-13;
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Pred. No. 3.7e-13;
; Mismatches 0;
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Score 138; DB Pred. No. 3.7e
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25609 MW;
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25527 MW;
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Best Local Similarity 96.2%;
Matches 25; Conservative
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                                                                                                                                                                     SEQUENCE FROM N.A.

MEDLINE=92144209; PubMed=1736940;
Steuler H., Storch-Hagenlocher B., Wildemann B.;
"Distinct populations of Human immunodeficiency vir and cerebrospinal fluid.";
AIDS Res. Hum. Retroviruses 8:53-59(1992).
EMBL; X61354; CAA43620.1; -.
PIR; A53591; A53591.
PIR; A53591; CAA43620.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA InterPro; IPR000328; Env_GP41.
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope protein, gp120/gp41 (Fragment).
01-NOV-1996 (TrEMBLrel. 01, Last sequence update) 01-JUN-2003 (TrEMBLrel. 24, Last annotation update) Envelope protein, gp120 /gp41 (Fragment).
                                                                      Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 5.9e-13;
1; Mismatches 0;
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GO; GO: 0019031; C: viral envelope; IEA.
GO; GO: 0005198; F: structural molecule activity;
InterPro; IPR000328; Env_GP41.
Pf00517; GP41; 1.
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Pred. No. 5.9e-13;
1; Mismatches 0.
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Similarity 96.2%;
25; Conservative
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Best Local Similarity 96.2
Matches 25; Conservative
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NON TER
SEQUENCE 357
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                                                           Ishiko H., West K., Zeng W., Spaulding A., Islam S., Norman Zivny I., Jarry W., Pozzi L., Kurane I., Ennis F.; "Autologous HIV-1-specific cytotoxic T lymphocytes (CTL) est at two different time points: Role of CTL in the emergence of
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 225
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope protein, gp120 /gp41 (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Steuler H., Storch-Hagenlocher B., Wildemann B.;
"Distinct populations of Human immunodeficiency
and cerebrospinal fluid.";
AIDS Res. Hum. Retroviruses 8:53-59(1992).
EMBL; X61355; CAA43622.1; -.
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GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env GP41.
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Pred. No. 3.7e-13;
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Pred. No. 5.9e-13;
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41140 MW;
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Q78156;
01-NOV-1996 (TrEMBLrel. 01,
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Polyprotein; Transmembrane
NON TER 1 1
NON_TER 225
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                                                                                                                                                                                                                                                                                                                                                                          225
225 AA;
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les 25; Conser
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                                      FROM N.A
NCBI_TaxID=11676;
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Q78118;
01-NOV-1996
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Submitted (
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Coat protein;
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Pfam; PF00517;
AIDS; Coat prot
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01-JUN-2002
01-JUN-2002
01-JUN-2003
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Best Local
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STRAIN=97NOGIL3C;

MEDLINE=20092438; PubMed=10628816;

Jonassen T.O., Grinde B., Asjo B., Hasle G., Hungnes O.;

"Inter-subtype recombinant HIV-1 involving HIV-MAL-like and sub like sequence in four Norwegian cases.";

AIDS Res. Hum. Retroviruses 16:49-58(2000).

EMBL; AJ237569; CAB39745.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.
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                                                                                                                                                         virus type
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                            01-NOV-1996 (TrEMBLrel, 01, Created)
01-NOV-1996 (TrEMBLrel, 01, Last sequence update)
01-JUN-2003 (TrEMBLrel, 24, Last annotation update)
Envelope protein, gp120 /gp41 (Fragment).
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12, Last sequence update)
24, Last annotation update)
                                                                                 Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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                                                                                                                                               , Wildemann B.;
                                                                                                                                                                      AIDS Res. Hum. Retroviruses 8:53-59(1992).

EMBL; X61353; CAA43618.1; -.

PIR; A53591; A53591.

PIR; S22004; S22004.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity;

InterPro; IPR000328; Env GP41.
                                                                                                                                   MEDLINE=92144209; PubMed=1736940;
Steuler H., Storch-Hagenlocher B., Wildemann B.,
"Distinct populations of Human immunodeficiency
and cerebrospinal fluid.";
                                                                                                                                                                                                                                                                                                    Score 138; DB 15;
Pred. No. 5.9e-13;
L; Mismatches 0
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                   PRELIMINARY;
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PF00517; GP41; 1
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25; Conserv
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01-NOV-1999 (7
01-NOV-1999 (7
01-JUN-2003 (7
GP41 protein
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                Q78155
Q78155;
01-NOV-1996
01-NOV-1996
01-JUN-2003
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SEQUENCE
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Pfam; PF0
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Q78155
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in countries of
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Masharsky A.E., Eremin V.F., Kozlov A.P.;
"Molecular cloning and analysis of full-length human immunodeficiency virus type 1 genomes of prevalent strains among IDUs in countries of the FSU.";
submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF413981; AAL78436.1; -.
                                         Gaps
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01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
                                      0;
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Pred. No. 6.3e-13;
; Mismatches 0;
   15;
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 Score 138; DB 1.
Pred. No. 6e-13;
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illarity 96.2%;
Conservative
th 99.3%;
Similarity 96.2%;
25; Conservative
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PF00517; GP41;
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STRAIN=98UA0116;
Masharsky A.E., Eremin V.F., Kozlov A.P.;
Masharsky A.E., Eremin V.F., Kozlov A.P.;
Molecular cloning and analysis of full-length human immunc
virus type 1 genomes of prevalent strains among IDUs in couthe FSU.";
Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF413982; AAL78438.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrar
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. 22, Last sequence update)
. 24, Last annotation update)
       viruses; Retroviridae; Lentivirus
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Pred. No. 6.4e-13;
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Pfam; PF00517; GP41; 1
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      Viruses; Retroid NCBI_TaxID=11676;
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01-OCT-2002
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01-JUN-2003
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GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (AUG-2001) to the EMBL/GenBank/DDBJ database: EMBL; AF413980; AAL78430.1; -. GO; GO:0016021; C:integral to membrane; IEA. GO; GO:0019028; C:viral capsid; IEA. GO; GO:0019031; C:viral envelope; IEA. GO; GO:0005198; F:structural molecule activity; IEA. InterPro; IPR000328; Env GP41. InterPro; IPR000777; GP120. Pfam; PF00516; GP120; 1. Pfam; PF00517; GP41; 1. AIDS; Coat protein; Glycoprotein; Polyprotein; Transmer and a subsequent and a 
                                                                                                                                                                                                                 CRC64;
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STRAIN=98UA0116;
Masharsky A.E., Eremin V.F., Kozlov A.P.;
"Molecular cloning and analysis of full-length human virus type 1 genomes of prevalent strains among IDUs the FSU.";
Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databas
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01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
                                                                                                                                                                                                                               99.3%; Score 138; DB 15; 96.2%; Pred. No. 6.4e-13; Micmatches 0;
                                                                                                                                                                                                               84FEBC68CB64FA44
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Best Local Similarity
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nes 25; Conser
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Q8QE07;
01-JUN-2002
01-JUN-2002
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                                                                                                                                                          STRAIN=95BRRJ014;
Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Castro B.,
Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Castro B.,
Morgado M.G.;
"High Frequency of Recombinant Genomes in HIV-1 Samples From Southeastern and Southern Regions.";
Southeastern and Southern Regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AY072000; AAL62003.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 6.5e-13
1; Mismatches
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Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AF062424; AAC17163.2; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.
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                                                                                                      (TrEMBLrel. 07, Created)
(TrEMBLrel. 22, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein (Fragment).
                                                                                                                                                                                          Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 6.6e-13;
1; Mismatches 0;
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STRAIN=95BRRJ014;
MEDLINE=20199695; Pubmed=10737434;
Bongertz V., Bou-Habib D.C., Brigit
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STRAIN=95BRSP004;
MEDLINE=20199695; PubMed=10737434;
                                                                                                                                                              Envelope glycoprotein (Fragment)
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GP41; 1.
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398 AA;
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Matches 25; Conser
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PF00517;
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01-OCT-2002
01-JUN-2003
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01-AUG-1998
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     Chequer
                                                                                                                                                   vaccine
Bongertz V., Bou-Habib D.C., Brigido L.F.M., Caseiro M., Cheque Couto-Fernandez J.C., Ferreira P.C., Galvao-Castro B., Greco D Guimaraes M.L., Linhares de Carvalho M.I., Morgado M.G., Oliveira C.A., Osmanov S., Ramos C.A., Rossini M., Sabino E., Tanuri A., Ueda M.; "HIV-1 diversity in Brazil: genetic, biologic, and immunologic characterization of HIV-1 strains in three potential HIV vaccinevaluation sites. Brazilian Network for HIV Isolation and Characterization.";
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Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
NON_TER 1 1
NON_TER 416 416
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"High frequency of HIV-1 recombinant genomes in samples from and south regions of Brazil.";

Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AF062423; AAC17162.2; -.

PIR; A53591; A53591.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.
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STRAIN=95BRSP004;
Guimaraes M.L., Moreira A.S., Loureiro R., Galvao-Castro B.
Morgado M.G.;
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Southeastern and Southern Regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AY071998; AAL62001.1; -.
PIR; A53591; A53591.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
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Last annotation updat
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Pred. No. 6.9e-13;
1; Mismatches 0
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(TrEMBLrel. 22, 1
(TrEMBLrel. 24, 1
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Pfam; PF00517; GP41; 1.
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25; Conserv
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416 AA;
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Q8J513;
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"env gene sequences of primary HIV type 1 isolates of subtypes B, C
"env gene sequences of primary HIV type 1 isolates of subtypes B, C
D, E, and F obtained from the World Health Organization Network for
HIV Isolation and Characterization.";
AIDS Res. Hum. Retroviruses 12:741-747(1996).

REMBL; U39258; AAB37195.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
RITHERPRO; IPR000777; GP120.
R Ffam; PF00516; GP120; 1.
R Ffam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
SEQUENCE 605 AA; 67420 MW; B384ACADA15AE6FB CRC64;
McWilliams N., Trkola A., Moore J.P., Wolinsky S.M.;
"Immunological and virological analyses of persons infected by immunodeficiency virus type 1 while participating in trials of recombinant gpl20 subunit vaccines.";
J. Virol. 72:1552-1576(1998).

EMBL; U84885; AAC58931.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.

AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.

MANDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
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Viruses, Retroid viruses, Retroviridae, Lentívirus
NCBI_TaxID=11676,
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Pred. No. 9.2e-13;
1; Mismatches 0;
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STRAIN=TH/93/67;
MEDLINE=96303593; PubMed=8744585;
MEDLINE=96303593; PubMed=8744585;
MEDLINE=96303593; PubMed=8744585;
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Southeastern and Southern Regions.";
Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AY071997; AAL62000.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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MEDLINE=98105804; PubMed=9445059
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MEDLINE=20386750; PubMed=10933619;
Liitsola K., Holm K., Bobkov A., Pokrovski V., Smolskaja T.,
Leinikki P., Osmanov S., Salminen M., UNAIDS Virus Isolation Network;
"An AB recombinant and its parental HIV type 1 strains in the area of the former soviet union: low requirements for sequence identity in recombination.";
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GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
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Transmembrane.
SEQUENCE 606 AA:
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Gartner S., Liu Y., Tang X.P., McArthur J.C., Scott J.;
"Analysis of human immunodeficiency virus type 1 gp160 sequences from a patient with HIV dementia: evidence for monocyte trafficking into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
STRAIN=546hc-B6;
Gartner S., Liu Y., Tang X.P., McArthur J.C., Scott J.;
"Analysis of human immunodeficiency virus type 1 gp160 sequences from
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PF00517; GP41; 1.
Coat protein; Glycoprotein; Polyprotein; Transmembrane
NCE 616 AA; 68756 MW; BE55DAE5BA59BC15 CRC64;
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Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.2e-12;
                                                                                   138; DB 15
No. 1e-12;
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Mismatches
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EMBL; AF217165; AAF75507.1; -.

GO; GO:0016021; C:integral to membrane; I
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule act
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
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Viruses; Retroid viruses; Retroviridae;
NCBI TaxID=11676;
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01-OCT-2000 (TrEMBLrel
01-JUN-2003 (TrEMBLrel
01-JUN-2003 (TrEMBLrel
Envelope glycoprotein.
ENV.
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SEQUENCE FROM N.A.

MEDLINE=91374618; PubMed=1895406;
Daniels R.S., Smith M.H., Fisher A.G.;
Daniels R.S., Smith M.H., Fisher A.G.;
"Molecular characterization of biologically diverse envelope variants of human immunodeficiency virus type 1 derived from an individual.";
J. Virol. 65:5574-5578(1991).

EMBL; M37575; AAB04111.1; -.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.
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Fisher A.G., Ensoli B., Looney D., Rose A., Gallo R.C., Saag M
Shaw G.M., Hahn B.H., Wong-Staal F.;
"Biologically diverse molecular variants within a single HIV-1
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resistance
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein 120/41 (Fragment).
                                                                                                    Douglas N.W.,
                          Lentivirus
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pe 1 gp120 and
                                                                                           Daniels R.S., Beddows S., Wilson P., Douglas N.W Ives K.J., Easterbrook P., Weber J.N.;
"An association between amino acid substitutions of Human immunodeficiency virus type 1 gp120 and antibody mediated neutralization.";
Submitted (JAN-2000) to the EMBL/GenBank/DDBJ dal EMBL; AJ271111; CAB86164.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; InterPro; IPR000328; Env GP41.
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Pred. No. 1.4e-12;
; Mismatches 0;
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Pred. No. 1.4e-12;
; Mismatches 0;
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PF00517; GP41; 1.
Coat protein; Glycoprotein; Polyprotein; T
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Human immunodeficiency virus 1.
Viruses, Retroid viruses, Retroviridae,
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11676;
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25; Conservative
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Nature 334:444-447(1988)
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Pfam; PF00517; GP41; 1
                                                                                    STRAIN=subtype B;
Daniels R.S., Beddows
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hes 25; Conser
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Pfam; PF0
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Daniels R.S., Patel D., Xiang Z., Zheng N.N., Kang C.;
"Evidence for the spread of immune-escape HIV-1 subtype
Korean population.";
Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.2e-12;
; Mismatches 0;
                                                EMBL, AF217161; AAF75503.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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Pred. No. 1.2e-12;
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AIDS; Coat protein; Gly
SEQUENCE 684 AA; 772
        patient with HIV
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                                       Neurovirol.
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01-OCT-2000
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Gp160.
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MEDLINE=91374618; PubMed=1895406;

Daniels R.S., Smith M.H., Fisher A.G.;

"Molecular characterization of biologically diverse envelope version immunodeficiency virus type 1 derived from an individuce of human immunodeficiency virus type 1 derived from an individuce J. Virol. 65:5574-5578(1991).

EMBL; M37576; AAB04112.1; -...

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000328; Env GP41.

InterPro; IPR000777; GP120.

Pfam; PF00517; GP41; 1.
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MEDLINE=88302422; PubMed=2841608;
Fisher A.G., Ensoli B., Looney D., Rose A., Gallo R.C., Saa
Shaw G.M., Hahn B.H., Wong-Staal F.;
"Biologically diverse molecular variants within a single HI
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01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein 120/41 (Fragment).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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MEDLINE=88302422; PubMed=2841608;
Fisher A.G., Ensoli B., Looney D., Rose A., Gallo Shaw G.M., Hahn B.H., Wong-Staal F.;
"Biologically diverse molecular variants within a
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Pred. No. 1.4e-12;
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01-NOV-1996 (TrEMBLrel. 01, L
01-JUN-2003 (TrEMBLrel. 24, L
Envelope glycoprotein 120/41
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ilarity 96.2%;
Conservative
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                                                                     PRELIMINARY;
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ature 334:444-447(1988)
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MEDLINE=91374618; PubMed=1895406;

A Daniels R.S., Smith M.H., Fisher A.G.;

"Molecular characterization of biologically diverse envelope variants of human immunodeficiency virus type 1 derived from an individual.";

J. Virol. 65:5574-5578(1991).

EMBL; M37491; AAB04109.1; -.

GO; GO:0016021; C:integral to membrane, IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000777; GP41.

R InterPro; IPR000777; GP120.

R Pfam; PF00516; GP120, 1.

Pfam; PF00517; GP41; 1.

MAIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.

MON TEP.

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MEDLINE=88302422;
Fisher A.G., Ensoli B., Looney D., Rose A., Gallo R.C., Saag M
Shaw G.M., Hahn B.H., Wong-Staal F.;
"Biologically diverse molecular variants within a single HIV-1 isolate.";
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MEDLINE=91374618; PubMed=1895406;
Daniels R.S., Smith M.H., Fisher A.G.;
"Molecular characterization of biologically diverse env of human immunodeficiency virus type 1 derived from an J. Virol. 65:5574-5578(1991).

EMBL; M37574; AAB04110.1; -. GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0019031; C:viral envelope; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Envelope glycoprotein 120/41 (Fragment).
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.4e-12;
l; Mismatches 0;
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larity 96.2%; Pred. No. 1.4e-12;
Conservative 1; Mismatches 0;
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Transmembrane

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protein; Glycoprotein; Polyprotein;
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MEDLINE=98105804;
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rs M.;
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MEDLINE=94103665; PubMed=8277197;

Mascola J.J., Louwagie J.J., McCutchan F.E., Fischer C.L.,

Hegerich P.A., Wagner K.F., Fowler A.K., McNeil J.G., Burke D.S.;

Two antigenically distinct subtypes of human immunodeficiency vir type 1: viral genotype predicts neutralization serotype.";

J. Infect. Dis. 169:48-54(1993).

EMBL; L14570; AA443875.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000777; GP120.

Pfam; PF00516; GP120; 1.
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STRAIN=MP411;

X MEDLINE=99294894; PubMed=10364493;

A Triques K., Bourgeois A., Saragosti S., Vidal N., Mpoudi-Ngole Nzilambi N., Apetrei C., Ekwalanga M., Delaporte E., Peeters M. High diversity of HIV-1 subtype F strains in Central Africa.";

I "High diversity of HIV-1 subtype F strains in Central Africa.";

I "High diversity of HIV-1 subtype F strains in Central Africa.";

I Wirology 259:99-109(1999).

SMBL; AJ237804; CAB44055.2; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

BR HIGEFPO; IPR000328; Env GF41.

BR Pfam; PF00516; GP120; 1.

Pfam; PF00516; GP120; 1.

Pfam; PF00517; GP41; 1.

Pfam; PF00517; GP41; 1.
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(TrEMBLrel. 01, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
                                                                                               Human immunodeficiency virus 1.
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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1.4e-12;
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Mismatches
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PF00517; GP41; 1
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01-NOV-1996
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01-JUN-2003
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MEDLINE=98105804; PubMed=9445059;

A Walker B.D., Neumann A.U., Vermund S.H., Mestecky J., Jackson S.,

Malker B.D., Neumann A.U., Vermund S.H., Mestecky J., Jackson S.,

Renamore E., Cao Y., Gao F., Kalams S., Kunstman K.J., McDonald D.,

McWilliams N., Trkola A., Moore J.P., Wolinsky S.M.;

"Immunological and virological analyses of persons infected by human immunodeficiency virus type 1 while participating in trials of recombinant gpl20 subunit vaccines.";

J. Virol. 72:1552-1576(1998).

Rembl, U84794; AAC58818.1; -.

GO; GO:0019028; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

GO; GO:0006810; P:transporter activity; IEA.

Redo; GO:0006810; P:transporter activity; IEA.

Redo; GO:0006810; P:transporter activity; IEA.
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Glycoprotein; Polyprotein; Transmembrane.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11676;
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Pred. No. 1.4e-12;
1; Mismatches 0;
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               EA982966E4C41F70
                                                Score 138; DB 15;
Pred. No. 1.4e-12;
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A.M., Fowler A.K.,
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Albert J.A., Birx D.L., McCutchan F.E.;
"HIV-1 isolate VI850 from Zaire, complete genome.";
Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF077336; AAD46094.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019028; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
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STRAIN=20195166; PubMed=10725202;
MEDLINE=20192166; PubMed=10725202;
Laukkanen T., Carr J.K., Janssens W., Liitsola K., Gotte D McCutchan F.E., Op de Coul E., Cornelissen M., Heyndrickx J. Van der Groen G., Salminen M.O.;
"Virtually full-length subtype F and F/D recombinant HIV-1 and South America.";
Virology 269:95-104(2000).
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
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Envelope glycoprotein (Fragment).
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Pred. No. 1.4e-12;
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MEDLINE=93143998; PubMed=1489577;
McCutchan F.E., Hegerich P.A., Brennan T.P., Pha Singharaj P., Jugsudee A., Berman P.W., Gray A.M Burke D.S.;
"Genetic variants of HIV-1 in Thailand.";
"Genetic variants of HIV-1 in Thailand.";
AIDS Res. Hum. Retroviruses 8:1887-1895(1992).
EMBL; L03697; AAA81527.1; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0019031; C:viral capsid; IEA.
GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity;
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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Long E.M., Rainwater S.M., Lavreys L., Mandaliya K., Overbaugh J.;
"HIV Type 1 Variants Transmitted to Women in Kenya Require the CCR5
Coreceptor for Entry, Regardless of the Genetic Complexity of the
Infecting Virus.";
AIDS Res. Hum. Retroviruses 18:567-576(2002).
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AIDS Res. Hum. Retroviruses 18:567-576(2002).

EMBL; AF407148; AAM66195.1; -.

GO; GO:0016021; C:integral to membrane; IEA.

GO; GO:0019031; C:viral capsid; IEA.

GO; GO:0019031; C:viral envelope; IEA.

GO; GO:0005198; F:structural molecule activity; IEA.

InterPro; IPR000777; GP120.

R InterPro; IPR000777; GP120.

R Pfam; PF00516; GP120; 1.

R Pfam; PF00517; GP41; 1.

AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.

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GO; GO:0016021; C:integral to membrane; IEA.
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GO; GO:0019031; C:viral envelope; IEA.
GO; GO:0005198; F:structural molecule activity; IEA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Glycoprotein; Polyprotein; Transmembrane.
SEQUENCE 837 AA; 94748 MW; 60B3661240B1226F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
STRAIN=RU98001;
MEDLINE=20386750; PubMed=10933619;
Liitsola K., Holm K., Bobkov A., Pokrovski V., Smolskaja T.
Leinikki P., Osmanov S., Salminen M., UNAIDS Virus Isolatio
"An AB recombinant and its parental HIV type 1 strains in the former soviet union: low requirements for sequence iden recombination.";
AIDS Res. Hum. Retroviruses 16:1047-1053(2000).
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InterPro; IPR000328; Env InterPro; IPR000777; GP12 Pfam; PF00516; GP120; 1. Pfam; PF00517; GP41; 1. AIDS; Coat protein; Polyp 3D-structure.	PDB; 1SZT; 24-DEC-97. HIV; K02011; ENV\$BH8. GlycoSuiteDB; P04582; InterPro; IPR000328;	V_HV1B8	quence update) notation update ecursor [Contain abrane glycopro type 1 (BHB iso roviridae; Lent ca R., Livak K alski J.A., Whi tteway S.R. Jr. chrayeb J., C of the AIDS.vi of the AIDS.vi of the AIDS.vi of the AIDS.vi cof the AIDS.vi	STANDARD; 1. 05, Create 1. 05, Last a cotein GP160 p pP120); Transm iciency virus d viruses; Re 4; 1. A. Papas T.S A., Papas T.S cotide sequenc 284(1985). entry is cop institute cinformatics cofit institute cinformatics offit institute cinformatics offit institute cinformatics cofit institute cofit institute cinformatics cofit institute cofit institute cinformatics cofit institute co	HYIBS UG-199 UG-199
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Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commercentities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; C2011; AAA44661.1; EMBL; C2011; ENV\$BH8. GlycoSuiteDB; P04582; GlycoSuiteDB; P04582;	Nature 313:277-284 (1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commercentities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; HHG; 31-OCT-93. PDB; 1HHG; 31-OCT-93. PDR; 1003: 02-JAN-00.	ENV HVIBS STANDARD; FRI; BSI AA. 13-AUG-1987 (Rel. 05, Created) 13-AUG-1987 (Rel. 05, Last sequence update) 10-OCT-2003 (Rel. 42, Last annotation update) 10-OCT-2003 (Rel. 42, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. ENV. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1) viruses; Retroid viruses; Retroviridae; Lentivirus. NCBI_TaxID=11684; [1] SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Ratner L., Haseltine W., Patarca R., Livak K.J., Starcich Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.I Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Ga Wong-Staal F.;	of the AIDS .vi	otide sequence	"Complete nu
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Wong-Staal F.; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commerce entities requires a license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; K02011; AAA44661.1; EMBL; CO3; 02-JAN-00. PDB; 127; 24-DEC-97. HIV; K02011; ENV\$BH8. GlycoSuiteDB; P04582;	Wong-Staal F.; Wong-Staal F.; Wong-Staal F.; "Complete nucleotide sequence of the AIDS virus, HTLV-III."; "Complete nucleotide sequence of the AIDS virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commerce entities requires a license agreement (See http://www.isb-sib.ch/announce or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; HHG; 31-OCT-93. PDB; 1HHG; 31-OCT-93. PDB; 1HHG; 31-OCT-93.	ENV HVIBS STANDARD; FRI; BSI AA. P04582; 13-AUG-1987 (Rel. 05, Last sequence update) 10-OCT-2003 (Rel. 42, Last annotation update) 10-OCT-2003 (Rel. 42, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. ENV. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1) Viruses; Retroid viruses; Retroviridae; Lentivirus. NCBI_TaxID=11684; [1] SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Ratner L., Haseltine W., Patarca R., Livak K.J., Starcich Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A.,	Chravah I	TA Dayag 3 C	Tantonbordor
Lautenberger A., Ivanoti b., Fetceway S.K. Jr., Fedang N.T., Gallo R.C., Wong-Staal F.; Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS-virus, HTLV-III."; "Complete nucleotide sequence of the AIDS-virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborat between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commercentities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL, KO2011; AAA44661.1; EMBL, KO2011; AAA44661.1; PDB; 1HHG; 31-OAT-93. PDB; 1SZT; 24-DEC-97. HIV; KO2011; ENV\$BH8. GlycoSuiteDB; P04582;	Lautenberger A., Ivanoli D., Ferceway S.R. Jr., Fearson M.D., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commerce entities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; K02011; AAA44661.1; EMBL; HG; 31-OT-93. PDB; 1DDH; 13-JAN-99. PDB; 1DDH; 13-JAN-00.	ENV HVIBS ENV HVIBS P04582; 13-AUG-1987 (Rel. 05, Last sequence update) 13-AUG-1987 (Rel. 42, Last annotation update) 10-OCT-2003 (Rel. 42, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. ENV. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1) Viruses; Retroid viruses; Retroviridae; Lentivirus. NCBI_TAXID=11684; [1] SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Rather L., Haseltine W., Patarca R., Livak K.J., Starcich	alski J.A., Whi	, Doran E.R., Rafa	Josephs S.F.
Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborat between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commerce entities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; R02011; AAA44661.1; EMBL; R02011; ENV\$BH8. GlycoSuiteDB; P04582;	Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commercentities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; HGG; 31-OCT-93. PDB; 1HDG; 31-OCT-93. PDB; 1HGG; 31-OCT-93.	ENV HVIBS STANDARD; FRI; BS1 AA. P04582; 13-AUG-1987 (Rel. 05, Last sequence update) 13-AUG-1987 (Rel. 05, Last sequence update) 10-OCT-2003 (Rel. 42, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. ENV. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1) Viruses; Retroid viruses; Retroviridae; Lentivirus. NCBI_TaxID=11684; [1] SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615;	rca R., Livak K	laseltine W., Patar	Ratner L., F
Rather L., Haseltine W., Paraca, R., Livak K.J., Starcich B.R., Josephs S.F., Doran B.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nuclectide sequence of the AIDS.virus, HTLV-III."; "Complete nuclectide sequence of the AIDS.virus, HTLV-III."; "Complete nuclectide sequence of the AIDS.virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commercentities requires a license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; K02011; AAA44661.1; EMBL; COSJ 1003; 02-JAN-99. PDB; 11003; 02-JAN-99. PDB; 11003; 02-JAN-90. PDB; 1277; 24-DEC-97. HIV; K02011; BNV\$BH8. GlycoSuiteDB; P04582;	Rather Doubles B.R., Rafalski J.A., Whitehorn B.R., Josephs S.F., Doran B.R., Rafalski J.A., Whitehorn B.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS virus, HTLV-III."; "Complete nucleotide sequence of the AIDS virus, HTLV-III."; "Complete nucleotide sequence of the BIDS virus, HTLV-III."; "Complete nucleotide sequence of the BIDS virus, HTLV-III."; "This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commerce entities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; - EMBL; K02011; AAA44661.1; - EMBL; HHG; 31-OCT-93. PDB; 1HHG; 31-OCT-93.	ENV HVIBS STANDARD; FRI; BSI AA. P04582; 13-AUG-1987 (Rel. 05, Created) 13-AUG-1987 (Rel. 05, Last annotation update) 10-OCT-2003 (Rel. 42, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. ENV. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1) Viruses; Retroid viruses; Retroviridae; Lentivirus. NCBI TaxID=11684;		M N.A. 1122. DibMod-25786	MEDUENCE FRO
SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Ratner L., Haseltine W., Patarca R., Livak K.J., Starcich B.R., Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS-virus, HTLV-III."; "Complete nucleotide sequence of the AIDS-virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborat between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no use by non-profit institutions as long as its content is in no use by non-profit institutions as long as its content entities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; K02011; AAA44661.1; EMBL; K02011; BNV\$BH8. GlycoSuiteDB; P04582; GlycoSuiteDB; P04582;	SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; MEDLINE=85111123; PubMed=2578615; MEDLINE=85111123; PubMed=2578615; METHER L., Haseltine W., Patarca R., Livak K.J., Starcich B.R., Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; "Complete nucleotide sequence of the BIDS.virus, HTLV-III."; Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commercentities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; KO2011; AAA44661.1; EMBL; KO2011; AAA44661.1; EMBL; HHG; 31-OCT-93. PDB; 1HHG; 31-OCT-93. PDB; 1HHG; 31-OCT-93.	ENV HVIBS STANDARD; FRT; BS1 AA. P04582; 13-AUG-1987 (Rel. 05, Last sequence update) 13-AUG-1987 (Rel. 42, Last annotation update) 10-OCT-2003 (Rel. 42, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. ENV. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1) Viruses; Retroid viruses; Retroviridae; Lentivirus. NCB1 TaxID=11684;			[1]
SQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Ratner L., Haseltine W., Patarca R., Livak K.J., Starcich B.R., Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R., Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS virus, HTLV-III."; "Complete nucleotide sequence of the AIDS virus, HTLV-III."; "Complete nucleotide sequence of the BIDS virus, HTLV-III."; "Complete nucleotide nucleotide nucleotide nucleotide n	SEQUENCE FROM N.A. SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Rather L., Haseltine W., Patarca R., Livak K.J., Starcich B.R., Josephs S.F., Doran B.R., Rathalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; "Complete nucleotide sequence of the AIDS.virus, HTLV-III."; "Complete nucleotide sequence of the BIDS.virus, HTLV-III."; "Complete nucleotide sequence of the BIDS.virus of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commerce entities requires a license gareement (See http://www.isb-sib.ch/announ or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; K02011; AAA44661.1; EMBL; HHG; 31-OCT-93. PDB; 1HHG; 31-OCT-93.	ENV HVIBS STANDARD; FRI; BS1 AA. P04582; 13-AUG-1987 (Rel. 05, Last sequence update) 13-AUG-1987 (Rel. 42, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. ENV. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1)		ioid viruses; 1684;	NCBI TaxID=1
Viruses; Retroid viruses; Retroviridae; Lentivirus. (1) SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Ratner L. Haseltine W., Patarca R., Livak K.J., Starcich B.R., Josephs S.F., Doran B.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; Complete nucleotide sequence of the AIDS.virus, HTLV-III.", Nature 313:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commercentities requires a license agreement (See http://www.isb-sib.ch/annourcentities regulates allows.) EMBL; K02011; AAA44661.1; - PDB; 1HHG; 31-OCT-93 PDB; 1BO3; 02-JAN-99 PDB; 1SZT; 24-DEC-97 HIV; K02011; ENV\$BH8.	VITUBES; Retroid viruses; Retroviridae; Lentivirus. (1) SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Rather L., Haseltine W., Patarca R., Livak K.J., Starcich B.R., Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F., "Complete nucleotide sequence of the AIDS virus, HTLV-III."; Wong-Staal F., "Complete nucleotide sequence of the AIDS virus, HTLV-III."; Wong-Staal F., "Complete nucleotide sequence of the BIDS virus, HTLV-III."; Wong-Staal F., "Complete nucleotide sequence of the AIDS virus, HTLV-III."; Wong-Staal F., "Complete nucleotide sequence of the AIDS virus, HTLV-III."; Wong-Staal F., "Complete nucleotide sequence of the AIDS virus, HTLV-III."; Nature 313:277-284(1985). This SMISS-PROT entry is copyright. It is produced through a collaborat between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commerce entities requires a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; K02011; AAA44661.1; EMBL; R02011; AAA44661.1; EMBL; HUG; 31-OCT-93. PDB; HUHG; 31-OCT-93.	ENV HVIBS STANDARD; FRT; BSL AA. P04582; 13-AUG-1987 (Rel. 05, Created) 13-AUG-1987 (Rel. 05, Last sequence update) 10-OCT-2003 (Rel. 42, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)].	(BH	iciency vi	Human immunc
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Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1). Viruses; Retroid viruses; Retroviridae; Lentivirus. NCBI_TAXID=11684; [1] SGUÜNENE FROM N., Pabas R., Livak K.J., Starcich B.R., MEDLINE=85111123; PubMed=2578615; Ratner L., Haseltine W., Patarca R., Livak K.J., Starcich B.R., Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baudeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F., Complete nucleotide sequence of the AIDS.virus, HTLV-III."; Muture JJ3:277-284(1985). This SWISS-PROT entry is copyright. It is produced through a collaborate the European the Swiss Institute of Bioinformatics and the EMBL outstations on between the Swiss Institute of Bioinformatics and the EMBL outstations on use by non-profit institutions as long as its content is in no modified and this statement is not removed. Usage by and for commerce the sequence agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; KO2011; AAA44661.1; EMBL; KO2011; AAA44661.1; EMBL; KO2011; BNVSBH8. FUNNSBH8.	Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)]. ENV. Human immunodeficiency virus type 1 (BH8 isolate) (HIV-1). Viruses; Retroid viruses; Retroviridae; Lentivirus. NUBL TaxID=11684; [1] SEQUENCE FROM N.A. MEDLINE=85111123; PubMed=2578615; Ratner L., Haseltine W., Patarca R., Livak K.J., Starcich B.R., Josephs S.F., Doran B.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger T.A., Papas T.S., Ghrayeb J., Chang N.T., Gallo R.C., Wong-Staal F.; "Complete mucleotide sequence of the AIDS.virus, HTLV-III."; "Complete mucleotide sequence of the AIDS.virus, HTLV-III."; "Complete mucleotide sequence of the AIDS.virus, HTLV-III."; "Auture 313:277-284(1985). "This SWISS-PROT entry is copyright. It is produced through a collaborate between the Swiss Institute of Bioinformatics and the EMBL outstatic the European Bioinformatics Institute. There are no restrictions on use by non-profit institute of Bioinformatics by and for commerce the European Bioinformatics institute. There are no restrictions on use by non-profit institutes a license agreement (See http://www.isb-sib.ch/annour or send an email to license@isb-sib.ch). EMBL; KO2011; AAA44661.1; - EMBL; KO2011; AAA44661.1; - EMBL; KO2011; HHG; 31-OCT-93. PDB; 1DDH; 13-JAN-99. PDR; 1DDH; 13-JAN-99.	ENV_HVIBS STANDARD; PKT; 851 P04582; 13-AUG-1987 (Rel. 05, Created) 13-AUG-1987 (Rel. 05, Last sequence updat	notation update	, Last	10-OCT-2003
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P19551;
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"Cloning and characterization of human variants diminished in the ability to i cytolysis.";
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Theodore T., Buckler-White A.;
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PIR; S54384; S54384.
HIV; M22639; ENV$2226.
InterPro; IPR000328; Env GP4
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprot
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P04580;
13-AUG-1987 (Rel. 05, Created)
13-AUG-1987 (Rel. 05, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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MEDLINE=87248097; PubMed=3036660;
Srinivasan A., Anand R., York D., Ranganathan P., Feorino P., Srinivasan A., Anand R., York D., Ralyanaraman V.S., Luciw P.A., Sanchez-Pescador R.;
Molecular characterization of human immunodeficiency virus from Zaire: nucleotide sequence analysis identifies conserved and varidomains in the envelope gene.";
Gene 52:71-82(1987).
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11708;
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PIR; D26192; VCLJZR.
HIV; K03458; ENV$Z6.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP1Z0.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane; Signal.
Signal.
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MEDLINE=90285159; PubMed=2355006;
Leonard C.K., Spellman M.W., Riddle L., Harris R.J., Thomas J.N Gregory T.J.;
"Assignment of intrachain disulfide bonds and characterization potential glycosylation sites of the type 1 recombinant human immunodeficiency virus envelope glycoprotein (gpl20) expressed Chinese hamster ovary cells.";
J. Biol. Chem. 265:10373-10382(1990).
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MEDLINE=85111123; PubMed=2578615;
Ratner L., Haseltine W., Patarca R., Livak K.J., Starcich B Josephs S.F., Doran E.R., Rafalski J.A., Whitehorn E.A., Baumeister K., Ivanoff L., Petteway S.R. Jr., Pearson M.L., Lautenberger J.A., Papas T.S., Ghrayeb J., Chang N.T., Gall, Wong-Staal F.;
"Complete nucleotide sequence of the AIDS virus, HTLV-III."
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21-JUL-1986 (Rel. 01, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11678;
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P04578; 009779;
13-AUG-1987 (Rel. 05, Created)
15-JUL-1999 (Rel. 38, Last sequence update)
10-OCT-2003 (Rel. 42, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane
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EMBL, M15654; AAA44205.1; -.
PIR; A03973; VCLJH3.
HIV; M15654; ENV$BH102.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
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EMBL; AF038399; AAB99976.1; -..

EMBL; AF038199; AAC82596.1; -..

PDB; 1DF4; 26-JAN-00.

PDB; 1DF5; 26-JAN-00.

PDB; 1DF5; 26-JAN-00.

PDB; 1G9M; 27-DEC-00.

PDB; 1G2L; 10-OCT-02.

PDB; 1G3; 10-OCT-01.

PDB; 1K33; 10-OCT-01.

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Submitted (APR-1997) to the EMBL/GenBank/DDBJ databases.
         glycoprotein (GP41)]
                                                                                                                                                                   SEQUENCE FROM N.A.
MEDLINE=87299196; PubMed=3040055;
Ratner L., Fisher A., Jagodzinski L.L., Mitsuya H.,
Gallo R.C., Wong-Staal F.;
"Complete nucleotide sequences of functional clones
virus.";
AIDS Res. Hum. Retroviruses 3:57-69(1987).
                                  Human immunodeficiency virus type 1 (HXB2 isolate)
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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PDB; 11F3; 02-MAY-01.
GlycoSuiteDB; Q70626; -.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane; Signal;
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MEDLINE=95127297; PubMed=7826699;
Reitz M.S. Jr., Hall L., Robert-Guroff M., Lautenberger J., Hahn B.M.
Shaw G.M., Kong L.I., Weiss S.H., Waters D., Gallo R.C., Blattner W.;
"Viral variability and serum antibody response in a laboratory worker infected with HIV type 1 (HTLV type IIIB).";
AIDS Res. Hum. Retroviruses 10:1143-1155(1994).
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15-JUL-1998 (Rel. 36, Last sequence update)
10-OCT-2003 (Rel. 42, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=82834;
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P03376;
21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterglycoprotein (GP120); Transmembrane glycoprotein (GP4. ENV.
Human immunodeficiency virus type 1 (PV22 isolate) (HV1 viruses; Retroid viruses; Retroviridae; Lentivirus.
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"Nucleic acid structure and expression of AIDS/lymphadenopathy retrovirus.";
Nature 313:450-458(1985).
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MEDLINE=85111157; PubMed=2982104;
Muesing M.A., Smith D.H., Cabradilla
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EMBL; X01762; CAA25903.1; ALT_SEQ.
PIR; A03974; VCLJVL.
HIV; K02083; ENV$PV22.
InterPro; IPR000328; Env GP41.
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                            Exterior
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                                                                      Human immunodeficiency virus type 1 (BRU isolate)
Viruses; Retroid viruses; Retroviridae; Lentivirus
10-OCT-2003 (Rel. 42, Last annotation update)
Envelope polyprotein GP160 precursor (Contains: E
glycoprotein (GP120); Transmembrane glycoprotein
ENV.
                                                                                                                             SEQUENCE FROM N.A.
MEDLINE=85099333; PubMed=2981635;
Wain-Hobson S., Sonigo P., Danos O., Cole S.
"Nucleotide sequence of the AIDS virus, LAV.
Cell 40:9-17(1985).
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EMBL; A04321; CAA00352.1; -.
PIR; A04321; CAA00352.1; -.
PIR; A03975; VCLJLV.
PDB; 1ERF; 20-FEB-02.
HIV; K02013; ENV$BRU.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00516; GP120; 1.
AIDS; Coat protein; Polyprotein 3D-structure

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PRANSMEMBRANE GLYCOPROTEIN.

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HIV; M21138; ENV$JH3.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane; Signal.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11694;
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01-OCT-1989 (Rel. 12, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: E:glycoprotein (GP120); Transmembrane glycoprotein ENV.
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MEDLINE=89352108; PubMed=2669897;
Komiyama N., Hattori N., Inoue J., Sakuma S.,
"Nucleotide sequences of gag and env genes of
HIV-1 and their expression in bacteria.";
AIDS Res. Hum. Retroviruses 5:411-419(1989).
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01-OCT-1989 (Rel. 12, Last sequence update)
10-OCT-2003 (Rel. 42, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
ENV.
Human immunodeficiency virus type 1 (1BR isolate) (HIV-1).
Viruses; Retroid viruses; Retroviridae; Lentivirus.
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                       EMBL; M21098; AAA44221.1; -.
PIR; A31667; VCLJBR.
PDB; 11M7; 23-OCT-02.
HIV; M21098; ENV$BRVA.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Tri
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MEDLINE=90148544; PubMed=2559749;

Huet T., Dazza M.C., Brun-Vezinet F., Roelants G.E., Wain-Hobson E "A highly defective HIV-1 strain isolated from a healthy Gabonese individual presenting an atypical western blot.";

AIDS 3:707-715(1989).

-!- MISCELLANEOUS: THE OYI ISOLATE WAS TAKEN FROM THE BLOOD OF A HEALTHY GABONESE INDIVIDUAL.

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                                                                                Human immunodeficiency virus type 1 (OYI isolate) ()
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11699;
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor (Contains: E
glycoprotein (GP120); Transmembrane glycoprotein
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InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; G
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TRANSMEMBRANE GLYCOPROTEIN.

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MEDLINE=85228248; PubMed=2988795;
Crowl R., Ganguly K., Gordon M., Conroy R., Schabes Shaw G.M., Wong-Staal F., Reddy E.P.;
"HTLV-III env gene products synthesized in E. coli antibodies present in the sera of AIDS patients.";
Cell 41:979-986(1985).
                                                                                                                                                                                                                                                                      Human immunodeficiency virus type 1 (HXB3 isolate)
Viruses; Retroid viruses; Retroviridae; Lentivirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; M14100; AAA44679.1; -.
PDB; 1JAU; 17-OCT-01.
PDB; 1JAV; 17-OCT-01.
HIV; M14100; ENV$HXB3.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Tressignal 1 30
CHAIN 31 511 EXTERIOR MEMBRANE GLY
                                                                                                                                                                      13-AUG-1987 (Rel. 05, Created)
01-FEB-1996 (Rel. 33, Last sequence update)
10-OCT-2003 (Rel. 42, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Eglycoprotein (GP120); Transmembrane glycoprotein ENV.
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Score 138; DB 1;
Pred. No. 2e-13;
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NCBI_TaxID=11707;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11692;
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MEDLINE=89228766; PubMed=2713163;
Srinivasan A., York D., Butler D. Jr., Jannoun-Nasr R.,
McCormick J., Ou C.Y., Myers G., Smith T., Chen E.;
"Molecular characterization of HIV-1 isolated from a ser
in 1976: nucleotide sequence comparison to recent isolat
generation of hybrid HIV.";
AIDS Res. Hum. Retroviruses 5:121-129(1989).
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01-NOV-1988 (Rel. 09, Created)
01-NOV-1988 (Rel. 09, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Eglycoprotein (GP120); Transmembrane glycoprotein ENV.
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InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein
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PIR; A44963; A44963.
HIV; M15896; ENV$Z321.
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Polyprotein; Glycoprotein; Transmembrane

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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11688;
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Koyanagi S., Chen I.S.Y.;

Submitted (DEC-1988) to the HIV data bank.
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Viruses; Retroid viruses; Retroviridae; Lentivirus
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EMBL; M38429; AAB03749.1; -. PDB; 1CE4; 18-MAR-99.
HIV; M38429; ENV$JRCSF.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
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AIDS; Coat protein; Polyprotein; GJ
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InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembran; 3D-structure.
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                                               Li Y., Hui H., Burgess C.J., Price R.W., Sharp P. Shaw G.M.; "Complete nucleotide sequence, genome organizati properties of human immunodeficiency virus type for limited defectiveness and complementation."; J. Virol. 66:6587-6600(1992).
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MEDLINE=93021387; PubMed=1404605;
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PIR; H44001; H44001.
PDB; 1G9N; 27-DEC-00.
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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MEDLINE=86235450; PubMed=3012778;
Hahn B.H., Shaw G.M., Taylor M.E., Redfield R.R., Markham P.D.,
Salahuddin S.Z., Wong-Staal F., Gallo R.C., Parks E.S., Parks W.P.;
"Genetic variation in HTLV-III/LAV over time in patients with AIDS on
at risk for AIDS.";
Science 232:1548-1553(1986).
-!- MISCELLANEOUS: ISOLATES WMJ1, WMJ2, AND WMJ3 WERE OBTAINED FROM
BLOOD SAMPLES SEQUENTIALLY TAKEN FROM A TWO-YEAR OLD HAITIAN WHO
WAS PERINATALLY INFECTED BY HER MOTHER.
                                                                                                                       P05880;
01-NOV-1988 (Rel. 09, Created)
01-NOV-1988 (Rel. 09, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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HIV; M12507; ENV$WMJ2.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP1Z0.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11705;
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Polyprotein; Glycoprotein; Transmembran
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MEDLINE=90317906; PubMed=2370688;
York-Higgins D., Cheng-Mayer C., Bauer D., Levy J.A., Dina "Human immunodeficiency virus type 1 cellular host range, replication, and cytopathicity are linked to the envelope the viral genome.";
The viral genome.";
J. Virol. 64:4016-4020(1990).
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(Rel. 17, Last sequence update)
(Rel. 42, Last annotation update)
lyprotein GP160 precursor [Contains: Exterior of GP120); Transmembrane glycoprotein (GP41)].
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Viruses; Retroid viruses; Retroviridae; Lentivirus...
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/
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21-JUL-1986 (Rel. 01, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: glycoprotein (GP120); Transmembrane alvance.
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MEDLINE=85090453; PubMed=2578227;
Sanchez-Pescador R., Power M.D., Barr P.J.,
Stempien M.M., Brown-Shimer S.L., Gee W.W.,
Levy J.A., Dina D., Luciw P.A.;
"Nucleotide sequence and expression of an Al
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Science 227:484-492(1985)
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988 (Rel. 09, Last sequence update)
999 (Rel. 38, Last annotation update)
polyprotein GP160 precursor [Contains: Exterior
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email to license@isb-sib.ch)
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HIV; K02007; ENV$SF2.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein
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Similarity 92.3%;
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DT_01-NOV-1998
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MEDLINE=88219542; PubMed=3369091;
Gurgo C., Guo H.-G., Franchini G., Aldovini A., Collalti E.,
Farrell K., Wong-Staal F., Gallo R.C., Reitz M.S. Jr.;
"Envelope sequences of two new United States HIV-1 isolates.";
Virology 164:531-536(1988).
-!- MISCELLANEOUS: THE SC ISOLATE WAS TAKEN FROM AN ARC PATIEN'
1984 IN SOUTHERN CALIFORNIA.
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IN-FRAME TERMINATION CODON.

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HIV; M17450; ENV$SC.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane
                                                            (HIV-1)
                                                              isolate) (1
Lentivirus
glycoprotein
                                           Human immunodeficiency virus type 1 (SC
Viruses; Retroid viruses; Retroviridae;
NCBI_TaxID=11702;
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A Starcich B.R., Hahn B.H., Shaw G.M., McNeely P.D., Modrow S., Farks E.S., Parks W.P., Josephs S.F., Gallo R.C., Wong-Staal F. Identification and characterization of conserved and variable regions in the envelope gene of HTLV-III/LAV, the retrovirus of AIDS.";

Cell 45:637-648(1986).
-!- MISCELLANEOUS: ISOLATES WMJ1, WMJ2, AND WMJ3 WERE OBTAINED BLOOD SAMPLES SEQUENTIALLY TAKEN FROM A TWO-YEAR OLD HAITI!
WAS PERINATALLY INFECTED BY HER MOTHER.
PDB; ILBO; 04-DEC-02.
PDB; ILCX; 04-DEC-02.
PDB; ILCX; 04-DEC-02.
InterPro; IPR000328; ENV GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane; Samples.
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n (GP41)].
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=31678;
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01-JUL-1993 (Rel. 26, Last sequence update)
10-OCT-2003 (Rel. 42, Last annotation update)
Envelope polyprotein GP160 precursor [Contains glycoprotein (GP120); Transmembrane alvantation.
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                                                                                                                                                                                                                                             Gaps
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13-AUG-1987 (Rel. 05, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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Starcich B.R., Hahn B.H., Shaw G.M., McNeely P.D., Modrow S., Wo. Parks E.S., Parks W.P., Josephs S.F., Gallo R.C., Wong-Staal F.; "Identification and characterization of conserved and variable regions in the envelope gene of HTLV-III/LAV, the retrovirus of AIDS.";
Cell 45:637-648(1986).
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TRANSMEMBRANE GLYCOPROTEIN.
BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human immunodeficiency virus type 1 (RF/HAT isolate) (HIV-1)
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11701;
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Pred. No. 6e-13;
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HIV; M17451; ENV$RF.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Signal.
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92.3%;
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Gallo R.C., Sarngadharan M.G.;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11687;
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GP160 precursor [Contains:
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Pred. No. 6.1e-
2; Mismatches
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Proc. Natl. Acad. Sci. U.S.A. 83:8380-8384
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MEDLINE=87041461; PubMed=3490666;
Desai S.M., Kalyanaraman V.S., Casey
Andersen P.R., Devare S.G.;
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ENV_HV1C4
ID ENV_HV1C4
AC P05879;
DT 01-NOV-1988 (Rel. 09, C
DT 01-NOV-1988 (Rel. 09, L
DT 16-OCT-2001 (Rel. 40, L
DE Envelope polyprotein GP
DE Glycoprotein (GP120); TC
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24; Conser
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MEDLINE=90253924;
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PIR; C25523; VCLJH4.
HIV; M13137; ENV$CDC45.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane;
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"Characterization of the secreted, native g
immunodeficiency virus type 1.";
AIDS Res. Hum. Retroviruses 6:371-380(1990)
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Matches 25; Conservative
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BY SIMILARITY.

BY SIMILARITY
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SIGNAL 1 29
CHAIN 30 513 EXTERIOR MEMBRANE GLYCOPROTEIN.
                                                                                                                                                                                                                                          MEDLINE=88219542; PubMed=3369091;
Gurgo C., Guo H.-G., Franchini G., Aldovini A., Collalti E. Farrell K., Wong-Staal F., Gallo R.C., Reitz M.S. Jr.;
"Envelope sequences of two new United States HIV-1 isolates Virology 164:531-536(1988).
-!- MISCELLANEOUS: THE MN ISOLATE WAS TAKEN FROM A PEDIATRI PATIENT IN 1984.
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                                          01-NOV-1988 (Rel. 09, Created)
01-NOV-1988 (Rel. 09, Last sequence update)
10-OCT-2003 (Rel. 42, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)]
                                                                                                                                                             (HIV-1)
                                                                                                                                                      Human immunodeficiency virus type 1 (MN isolate) (F
Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=11696;
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                                STANDARD;
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MEDLINE=86245056; PubMed=2424612;
Alizon M., Wain-Hobson S., Montagnier L., Sonigo P.;
"Genetic variability of the AIDS virus: nucleotide sequence analysis of two isolates from African patients.";
Cell 46:63-74(1986).
                                                                                                                                                                                                                                                                                         13-AUG-1987 (Rel. 05, Created)
13-AUG-1987 (Rel. 05, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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EMBL; A07108; CAA00616.1; -.
HIV; K03454; ENV$ELI.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP1Z0.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane;
                                                                                                                                                                      Length 856;
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11689;
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Mismatches
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larity 92.3%;
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356 AA;
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AC P18799;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kitamura T.;
"Analysis of a human immunodeficiency virus type 1 isolate truncated transmembrane glycoprotein.";
Virology 189:534-546(1992).
-!- MISCELLANEOUS: READTHROUGH OF THE TERMINATOR UAG OCCUR!
THE CODONS FOR 729-ALA AND 730-ARG.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Human immunodeficiency virus type 1 (KB-1 isolate) (HIV-1)
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=36375;
                                                                                                                                                                                                                                                                                                                                                                                  01-JUL-1993 (Rel. 26, Created)
01-JUL-1993 (Rel. 26, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior
glycoprotein (GP120); Transmembrane glycoprotein (GP41)]
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Pred. No. 1.7e-12;
; Mismatches 1;
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MEDLINE=92351552; PubMed=1322587;
Shimizu H., Hasebe F., Tsuchie H., Morikawa
Kitamura T.;
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25; Conservative
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EXTERIOR MEMBRANE GLYCOPROTEIN.

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       . Usage by http://www
                                                                      EMBL; D12582; BAA02124.1; ALT_SEQ.
PIR; A42995; VCLJKB.
InterPro; IPR000328; Env GP41.
InterPro; IPR00077; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein;
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Pred. No. 1.8e-12;
; Mismatches
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modified and this statement ....entities requires a license agreement (or send an email to license@isb-sib.ch)
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Similarity 88.5%;
23; Conservative
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                                                   (HIV-1)
              Exterior (GP41)]
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                                   Human immunodeficiency virus type 1 (NDK isolate)
Viruses; Retroid viruses; Retroviridae; Lentivirus,
NCBI_TaxID=11695;
                                                                                             SEQUENCE FROM N.A.
MEDLINE=90034200; PubMed=2806917;
Spire B., Sire J., Zachar V., Rey F., Barre-Sinous Hampe A., Chermann J.C.;
"Nucleotide sequence of HIV1-NDK: a highly cytopat human immunodeficiency virus.";
Gene 81:275-284(1989).
-!- MISCELLANEOUS: NDK, ISOLATED FROM A ZAIRIAN PA AIDS, AND IS A HIGHLY CYTOPATHOGENIC STRAIN.
, Last annotation update)
GP160 precursor (Contains: E
; Transmembrane glycoprotein
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Polyprotein;
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PIR; JQ0066; VCLJND.
HIV; M27323; ENV$NDK.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP1<u>2</u>0.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein
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15-JUL-1999 (Rel. 38, L
Envelope polyprotein GP
glycoprotein (GP120); T
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                                                   Gaps
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Viruses; Retroid viruses; Retroviridae; Lentivirus.

NCBI_TaxID=11681;
[1]
SEQUENCE FROM N.A.

MEDLINE=88281278; PubMed=3395517;
Yourno J., Josephs S.F., Reitz M.S. Jr., Zagury D., Wong-Staal F. Gallo R.C.;
"Nucleotide sequence analysis of the env gene of a new Zairian isolate of HIV-1.";
AIDS Res. Hum. Retroviruses 4:165-173(1988).

AIDS Res. Hum. Retroviruses 4:165-173(1988).
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BY SIMILARITY
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HIV; J03653; ENV$JY1.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane; Signal.
SIGNAL 1 29
     Length 84
                                                                                                                                                                                                                                                                           01-NOV-1988 (Rel. 09, Created)
01-NOV-1988 (Rel. 09, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior
glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
ENV.
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ed. No. 2.1e-11;
Mismatches
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Similarity 84.6%;
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EMBL; X04415; CAA28016.1; -.
EMBL; A07116; CAA00623.1; -.
PIR; T01672; T01672.
HIV; K03456; ENV$MAL.
InterPro; IPR000328; Env GP41
InterPro; IPR000777; GP120.
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01-AUG-1990 (Rel. 15, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11723;
N-LINKED (GLCNAC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ore 125; DB 1;
ed. No. 2.2e-11;
Mismatches 2
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Pred. No.
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HIV; X52154; ENV$CPZ.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein
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MEDLINE=86245056; PubMed=2424612;
Alizon M., Wain-Hobson S., Montagnier L., Sonigo P.;
"Genetic variability of the AIDS virus: nucleotide sequence analysis of two isolates from African patients.";
Cell 46:63-74(1986).
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Viruses, Retroid viruses, Retroviridae, Lentivirus.
NCBI_TaxID=11697;
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13-AUG-1987 (Rel. 05, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Eglycoprotein (GP120); Transmembrane glycoprotein ENV.
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PF00516; GP120; 1.
PF00517; GP41; 1.
Coat protein; Polyprotein;
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Simian immunodeficiency virus (M Viruses; Retroid viruses; Retrov NCBI_TaxID=11734;
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01-OCT-1993 (Rel. 27, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor {Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)}.
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Pfam; PF00517; GP41; 2.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane
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MEDLINE=92260681; PubMed=1583738;

Mulligan M.J., Yamshchikov G.V., Ritter G.D. Jr., Gao F., J.

Mulligan M.J., Yamshchikov G.V., Ritter G.D. Jr., Gao F., J.

Mulligan M.J., Yamshchikov G.V., Ritter G.D. Jr., Gao F., J.

Mulligan M.J., Yamshchikov G.V., Ritter G.D. Jr., Gao F., J.

Rotterior G.P., Hahn B.H., Compans R.W.;

T "Cytoplasmic domain truncation enhances fusion activity by exterior glycoprotein complex of human immunodeficiency vir in selected cell types.";

J. Virol. 66:3971-3975(1992).

L J. Virol. 66:3971-3975(1992).
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Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=31681;
                               isolates.";
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Pred. No. 2.1e-05;
; Mismatches 7;
King N.W., Daniel M.D., Desrosiers R.C.; "Comparison of simian immunodeficiency virus Nature 331:619-622(1988).
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InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
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18:6142-6142(1990)

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SEQUENCE FROM N.A.
MEDLINE=91045094; PubMed=2235509;
Kuehnel H., Kreutz R., Ruebsamen-Waigmann H.;
"Nucleotide sequence of HIV-2D194, an isolate from a Gambia:
"Nucleotide sequence of AIV-2D194, an isolate from a Gambia:
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ENV HV2D1

ID ENV HV2D1

AC P17755;

DT 01-AUG-1990 (Rel. 15, Created)

DT 01-NOV-1991 (Rel. 20, Last sequence update)

DT 15-JUL-1999 (Rel. 38, Last annotation update)

DE Envelope polyprotein GP160 precursor [Contains: Exterior DE glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
                                                                                                                                                                                                                                                            Length
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11713;
                                        Glycoprotein;
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Pred. No. 5.9e-05;
Mismatches
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                                      Polyprotein;
     EMBL; M86924; AAA43938.1; -. PIR; A42535; VCLJS4.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein
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SEQUENCE OF 1-266 FROM N.A.

MEDLINE=89184631; PubMed=2467304;

Kuehnel H., von Briesen H., Dietrich U., Adamski M., Mix D.,

Biesert L., Kreutz R., Immelmann A., Henco K., Meichsner C.,

Andreesen R., Gelderblom H., Ruebsamen-Waigmann H.;

Andreesen R., Gelderblom H., Ruebsamen-Waigmann H.;

"Molecular cloning of two west African human immunodeficiency virutype 2 isolates that replicate well in macrophages: a Gambian isolate, from a patient with neurologic acquired immunodeficiency syndrome, and a highly divergent Ghanian isolate.";

Proc. Natl. Acad. Sci. U.S.A. 86:2383-2387(1989).
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EMBL; X52223; CAA36471.1; -.
PIR; S12159; S12159.
HIV; J04542; ENV$2D194.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein Signal.
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MEDLINE=90122350; PubMed=2611042;
Hasegawa A., Tsujimoto H., Maki N., Ishikawa K.I., Miura Fukasawa M., Miki K., Hayami M.;
"Genomic divergence of HIV-2 from Ghana.";
AIDS Res. Hum. Retroviruses 5:593-604(1989).
-!- MISCELLANEOUS: READTHROUGH OF TERMINATOR UAG BETWEEN FOR 738-LEU AND CCU FOR 739-PRO MAY OCCUR.
                                                                         (GP41) ]
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                                                                                         Human immunodeficiency virus type 2 (isolate Ghana-1)
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11717;
SULT 35

V HV2G1

ENV HV2G1

STANDARD; PRT; 851 AA.

P18040;

01-NOV-1990 (Rel. 16, Last sequence update)

15-JUL-1999 (Rel. 38, Last annotation update)

Envelope polyprotein GP160 precursor (Contains: Exteglycoprotein (GP120); Transmembrane glycoprotein (GF
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HIV; M30895; ENV$2GH1.
InterPro; IPR000328; Env GP
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polypro
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WEDLINE-88320359; PubMed=3261862;

WA MEDLINE-88320359; PubMed=3261862;

WA MEDLINE-88320359; PubMed=3261862;

WA Arya S.K., Josephs S.F., Zagury D., Wong-Staal F., Gallo R.C.;

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WA Arya S.K., Josephs S.F., Zagury D., Wong-Staal F., Gallo R.C.;

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WA Arya S.K., Josephs S.F., Zagury D., Wong-Staal F., Gallo R.C.;

WA Arya S.K., Josephs S.F., Zagury D., Wong-Staal F., Gallo R.C.;

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WA Arya S.K., Josephs S.F., Zagury D., Wong-Staal F., Gallo R.C.;

WA Arya S.K., Josephs S.F., Zagury D., Wong-Staal F., Gallo R.C.;

WA Arya S.K., Josephs S.F., Zagury D., Wong-Staal F., Gallo R.C.;

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HIV; J03654; ENV$2NIHZ.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane;
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  Length 851;
                                                                                                                                01-NOV-1988 (Rel. 09, Created)
01-NOV-1988 (Rel. 09, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior
glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
                      Indels
                                                                                                                                                                                                   Human immunodeficiency virus type 2 (isolate NIH-Z)
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11719;
         d. No. 7.1e-05;
Mismatches 7;
   DB 1
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  Score 83;
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A Tristem M., Hill F., Karpas A.;

Tristem M., Hill F., Karpas A.;

"Nucleotide sequence of a Guinea-Bissau-derived human immunodeficiency virus type 2 proviral clone (HIV-2CAM2).";

J. Gen. Virol. 72:721-724(1991).

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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11715;
                                                                                                                                                                                     ore 83; DB 1; Ler
red. No. 7.2e-05;
Mismatches 7;
    U1-MAR-1992 (Rel. 21, Created)
01-MAR-1992 (Rel. 21, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: glycoprotein (GP120); Transmembrane alvorrance.
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PIR; F38475; VCLJCT.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
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TRANSMEMBRANE GLYCOPROTEIN (BY SIMILARITY).
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Submitted (APR-1992) to the EMBL/GenBank/DDBJ
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PIR; S24571; S24571.
HIV; X16109; ENV$2D205.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
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N-LINKED (GLCNAC) (POTENTIAL)	; Score 83; DB 1; Length 859; ; Pred. No. 7.2e-05; 6; Mismatches 7; Indels WGCSGKLIC 26 ::: WGCAFRQVC 605	PRT; 859 AA. sequence update) unnotation update) nembrane glycoprotein (GP41)]. type 2 (isolate ST) (HIV-2). troviridae; Lentivirus. of an attenuated human immuno of an attenuated buman immuno is not removed. Usage by a agreement (See http://www.isb bisb-sib.ch). 11.
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Simian immunodeficiency virus (Mm142-83 isolate) (SIV-MAC).

Viruses; Retroid viruses; Retroviridae; Lentivirus.

NCBI_TaxID=11733;
[1]
SEQUENCE FROM N.A.

MEDLINE=87287230; PubMed=3649576;
Chakrabarti L., Guyader M., Alizon M., Daniel M.D., Desrosiers R.C.
Tiollais P., Sonigo P.;
"Sequence of simian immunodeficiency virus from macaque and its relationship to other human and simian retroviruses.";
Nature 328:543-547(1987).
-!- MISCELLANEOUS: THIS IS A MACAQUE ISOLATE.

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P05885; Q85725; Q85726;
01-NOV-1988 (Rel. 09, Created)
01-NOV-1988 (Rel. 09, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor {Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)}.
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MEDLINE=89262053; PubMed=2786147;
Hirsch V.M., Olmstead R.A., Murphey-Corb M., Purcell Johnson P.R.;
"An African primate lentivirus (SIVsm) closely relate Nature 339:389-392(1989).
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01-OCT-1989 (Rel. 12, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Extglycoprotein (GP120); Transmembrane glycoprotein (CENV.
Simian immunodeficiency virus (F236/smH4 isolate) (Viruses; Retroid viruses; Retroviridae; Lentivirus.)
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PIR; H28887; VCLJG3.
HIV; M16403; ENV$MM142.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Gignal.
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01-FEB-1991 (Rel. 17, Created)
01-FEB-1991 (Rel. 17, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior membrane glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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                                                                                                                                                                                                             SEQUENCE FROM N.A.
MEDLINE=90272009; PubMed=1971917;
Dewhurst S., Embretson J.E., Anderson D.C., Mullins J.I.,
"Sequence analysis and acute pathogenicity of molecularly
SIVSMM-PBj14.";
Nature 345:636-640(1990).
                                                                                                                                                    Simian immunodeficiency virus (PBj14/BCL-3 isolate)
Viruses; Retroid viruses; Retroviridae; Lentivirus.
NCBI_TaxID=11738;
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01-AUG-1992 (Rel. 23, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Envelope polyprotein GP160 precursor (Contains glycoprotein (GP120); Transmembrane glycoprotein
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Dewhurst S., Embretson J.E., Fultz P.N
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SEQUENCE FROM N.A.
MEDLINE=90232731; PubMed=2158689;
Baier M., Garber C., Mueller C., Cichutek K., Kurth R.;
Baier m., Garber C., Mueller C., Cichutek K., Kurth R.;
"Complete nucleotide sequence of a simian immunodeficiency virus "Complete nucleotide sequence of a simian immunodeficiency virus
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                                                            African green monkeys: a novel type of intragroup divergence. Virology 176:216-221(1990).
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                                                                                            green monkey isolate
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01-JUL-1993 (Rel. 26, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior
glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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PIR; C46356; C46356.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; G]
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                                                                                                                                                                   SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
MEDLINE=88232906; PubMed=3374586;
Fukasawa M., Miura T., Hasegawa A., Morikawa S., Tsujimoto H.,
Miki K., Kitamura T., Hayami M.;
"Sequence of simian immunodeficiency virus from African green monkey,
a new member of the HIV/SIV group.";
Nature 333:457-461(1988).
-!- MISCELLANEOUS: This is an African green monkey isolate.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL; X07805; CAA30663.2; -.
PIR; G30045; VCLJG4.
HIV; X07805; ENV$AGMTY.
InterPro; IPR000328; Env GP41.
InterPro; IPR00077; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane
01-NOV-1988 (Rel. 09, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Envelope polyprotein GP160 precursor (Contains: Exterior
glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
                                                                                                 Simian immunodeficiency virus (TYO-1 isolate) (SIV-AGM) Viruses; Retroid viruses; Retroviridae; Lentivirus.
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TRANSMEMBRANE GLYCOPROTEIN
                                                                                                                  Johnson P.R.;
of SIV from a
                                                                                                                                                                                         green monkey
    Simian immunodeficiency virus (isolate AGM / clone Viruses; Retroid viruses; Retroviridae; Lentivirus NCBI_TaxID=31684;
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0.00015;
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MEDLINE=91220680; PubMed=2024476;
Fomsgaard A., Hirsch V.M., Allan J.S., Jo
"A highly divergent proviral DNA clone of
of African green monkey.";
Virology 182:397-402(1991).
-!- MISCELLANEOUS: This is an African gre
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InterPro; IPR000777; GP120.
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                                                                                                 Exterior
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COAT PROTEIN GP32.
PUTATIVE PROTEIN ENV-EXTN.
                                                                                                                                                                                                         SEQUENCE FROM N.A.
MEDLINE=87187627; PubMed=3646094;
Hirsch V., Riedel N., Mullins J.I.;
"The genome organization of STLV-3 is similar to that virus except for a truncated transmembrane protein.";
Cell 49:307-319(1987).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                   Simian immunodeficiency virus (K78 isolate) (SIV-MAC) Viruses; Retroid viruses; Retroviridae; Lentivirus.
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                                  01-JUL-1989 (Rel. 11, Created)
01-JUL-1989 (Rel. 11, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
Envelope polyprotein GP160 precursor (Contains glycoprotein (GP120); Coat protein GP32; Putati
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InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
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                                                                                                                                                                                                                                                                       collaboration
                                                                                                                                                                                                                      green monkeys display
                                                                                                                                                                             SEQUENCE FROM N.A.
MEDLINE=90156504; PubMed=2304139;
Johnson P.R., Fomsgaard A., Allan J., Gravell M., London W.T.,
Johnson P.R., Hirsch V.M.;
"Simian immunodeficiency viruses from African green monkeys displantanian jenetic diversity.";
J. Virol. 64:1086-1092(1990).
-!- MISCELLANEOUS: THE 155 ISOLATE IS FROM A MONKEY IMPORTED FROM KENYA.
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InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane, Signal.
Signal.
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                                                                        01-AUG-1992 (Rel. 23, Created)
01-AUG-1992 (Rel. 23, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
                                                                                                                                          Simian immunodeficiency virus (AGM155 isolate) (SIV-AGM) Viruses; Retroid viruses; Retroviridae; Lentivirus. NCBI TaxID=11727;
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HIV; M15897; ENV$K6W78.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
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Viruses; Retroid viruses;
NCBI_TaxID=11735;
    Conservative
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01-NOV-1988
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15-JUL-1999
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InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane;
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N-LINKED (GLCNAC. . .) (POTEIN.

                                                                                                                                               01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length
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Viruses, Retroid viruses, Retroviridae, Lentivirus
NCBI_TaxID=73484;
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M.S. Jr.;
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                                                                                                                                                                               01-NOV-1988 (Rel. 09, Created)
01-NOV-1988 (Rel. 09, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
 Indels
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;; Retroviridae; Lentivirus.
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MEDLINE=87287229; PubMed=3497350;
Franchini G., Gallo R.C., Guo H.-G., Gurgo C.
Fargnoli K., Hall L., Wong-Staal F., Reitz M.
"Sequence of simian immunodeficiency virus an
the human immunodeficiency viruses.";
Nature 328:539-543(1987).
-!- MISCELLANEOUS: THIS IS A MACAQUE ISOLATE.
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MEDLINE=90015168; PubMed=2797181;
Tsujimoto H., Hasegawa A., Maki N., Fukasawa M., Miu Cooper R.W., Moriyama E.N., Gojobori T., Hayami M.; "Sequence of a novel simian immunodeficiency virus fafrican mandrill.";
African mandrill.";
Nature 341:539-541(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Simian immunodeficiency virus (isolate GB1).
Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11732;
                                                          Score 80; DB 1; Le
Pred. No. 0.00022;
; Mismatches 7;
                                                                                                                                                                                                                                                                                    ENV_SIVGB STANDARD; PRT; 821 AA. P22380; 01-AUG-1991 (Rel. 19, Created) 01-AUG-1991 (Rel. 19, Last sequence update) 28-FEB-2003 (Rel. 41, Last annotation update) Envelope polyprotein GP160 precursor [Contains: Putative protein ENV-EXTN].
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InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; CARBOHYD 98 98 N-ICARBOHYD 175 175 N-ICARBOHYD 224 224 N-ICARBOHYD 266 266 N-ICARBOHYD 287 287 N-ICARBOHYD 383 333 N-ICARBOHYD 389 389 N-ICARBOHYD 389 389 N-ICARBOHYD 384 447 N-ICARBOHYD 516 566 669 N-ICARBOHYD 516 669 N-ICARBOHYD 516 669 N-ICARBOHYD 669 669 N-ICARBOHYD 669 669 N-ICARBOHYD 669 669 N-ICARBOHYD 675 N-ICARBOHYD N-ICA
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Viruses; Retroid viruses; Retroviridae; Lentivirus
NCBI_TaxID=11720;
                                                                                                                      13-AUG-1987 (Rel. 05, Created)
13-AUG-1987 (Rel. 05, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Eglycoprotein (GP120); Transmembrane glycoprotein
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                                             RLTSLENYIKDQALLSQWGCSWAQVC
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Guyader M., Emerman M., Sonigo P.,
Alizon M.;
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EMBL; X05291; CAA28914.1; -.
PIR; C26262; VCLJG2.
HIV; M15390; ENV$2ROD.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; G.
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C7266AF1F5C5B9A7 CRC64;
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01-OCT-1989 (Rel. 12, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exterior glycoprotein (GP120); Transmembrane glycoprotein (GP41)].
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J., Gallo R.
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viruses; Retroviridae; Lentivirus
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MEDLINE=89184641; PubMed=2648404;
Franchini G., Fargnoli K.A., Giombini F., Jagoć
Bosch M., Biberfeld G., Fenyo A.M., Albert J.,
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HIV; J04498; ENV$21SY.
InterPro; IPR000328; Env GP41
InterPro; IPR000777; GP120.
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46.2%;
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NCBI_TaxID=11718;
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PF00517; GP41; 1
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AIDS;
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ENV_HV2SB
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glycoprotein (GP41)].
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TRANSMEMBRANE GLYCOPROTEIN.
N-LINKED (GLCNAC. . .) (POTENTIAL)
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HIV; M30502; ENV$2BEN.
InterPro; IPR000328; Env GP41.
InterPro; IPR000777; GP120.
Pfam; PF00516; GP120; 1.
Pfam; PF00517; GP41; 1.
AIDS; Coat protein; Polyprotein; Glycoprotein; Transmembrane;
                                                                                                                                                                                            Length 846
                                                                                                                                                                                                                                                                                                                                                                                                                                      (isolate BEN) (HIV-2)
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01-NOV-1990 (Rel. 16, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Envelope polyprotein GP160 precursor [Contains: Exteriglycoprotein (GP120); Transmembrane glycoprotein (GP41 ENV.
Human immunodeficiency virus type 2 (isolate BEN) (HIV Viruses; Retroid viruses; Retroviridae; Lentivirus.
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J., Nieselt K.,
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MEDLINE=90281594; PubMed=2353457;
Kirchhoff F., Jentsch K., Bachmann B., Stuke A.
Lueke W., Stahl-Henning C., Schneider J., Niese
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N-LINKED
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ENV_HV2BE
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		ENTIAL)	(POTENT	•	(GLCNAC.	N-LINKED	300	300	CARBOHYD	FT
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		ENTIAL)	(POTENT	•	(GLCNAC.	N-LINKED	278	7	CARBOHYD	FT
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1 RILAVERYLKDQQLLGIWGCSGKLIC 26 |: |: |: || | | || : : : | 577 RVTAIEKYLKHQAQLNSWGCAFRQVC 602 8 ð

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5.1.6 Compugen Ltd GenCore version Copyright (c) 1993 - 2004

using sw model OM protein - protein search,

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Perfect score: Title

US-09-733-239-1 139 1 RILAVERYLKDQQLLGIWGCSGKLIC Sequence:

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BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283366 segs, 96191526 residues Searched:

72 Total number of hits satisfying chosen parameters

length: 0 length: 2000000000 sed Minimum DB Maximum DB

Post-processing: Minimum Match 50% Maximum Match 100% Listing first 500 summaries

Database

PIR_78:*
1: pir1:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

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C; Species: human immunodeficiency virus type 1, HIV-1
C; Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 26-Aug-1999
C; Accession: S70422; S21996
R; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.
AIDS Res. Hum. Retroviruses 8, 53-59, 1992
A; Title: Distinct populations of human immunodeficiency virus type 1 in blood and cereb A; Reference number: S70417; MUID: 92144209; PMID: 1736940
A; Reference number: S70417; MUID: 92144209; PMID: 1736940
A; Accession: S70422
A; Accession: S70422
A; Accession: S70422
A; Accession: S70422
A; Cross-references: EMBL: X61356; NID: 960181; PIDN: CAA43624.1; PID: 91067129
A; Cross-references: EMBL Data Library, July 1991
C; Superfamily: type E retrovirus env polyprotein

Gaps ; 0 Length 357; Indel h Similarity 100.0%; Score 139; DB 2; Similarity 100.0%; Pred. No. 2.1e-13; 26; Conservative 0; Mismatches 0; Query Match Best Local S Matches 26

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1 RILAVERYLKDQQLLGIWGCSGKLIC 26

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S13288; MUID:91043044; PMID:2172833
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J.A.; Papas, T.S.; Ghrayeb,
13, 277-284, 1985
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26; Conservative (
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Cross-references: GB:M15654;
Genetics:
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  ce number: S1
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A;Reference number: S1
A;Accession: S13288
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-854 <OBI
C;Superfamily: type E
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A, Molecule type: DN
A, Residues: 1-856 <1
A, Cross-references:
C, Genetics:
A, Gene: env
C, Superfamily: type
C, Keywords: AIDS; C
F; 1-30/Domain: signé
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                                                                                                             C;Species: human immunodeficiency virus type 1.

C;Species: human immunodeficiency virus type 1, HIV-1

A;Variety: isolate 28

C;Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 01-Dec-2000

C;Accession: $21998; $70425

R;Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.; Hacke, W.

Submitted to the EMBL Data Library, July 1991

A;Description: Distinct populations of HIV-1 in blood and cerebrospinal flui

A;Reference number: $21990

A;Accession: $21998

A;Molecule type: DNA

A;Residues: 1-358 <STE1>

A;Cross-references: EMBL:X61359; NID:g60182; PIDN:CAA43630.1; PID:g60183

R;Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.

A;Cross-references: EMBL:X61359; NID:g60182; PIDN:CAA43630.1; PID:g60183

A;Title: Distinct populations of human immunodeficiency virus type 1 in blood

A;Reference number: $70417; MUID:92144209; PMID:1736940
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A; Status: preliminary
A; Molecule type: DNA
A; Molecule type: DNA
A; Residues: 1-222, 'X', 224-358 <STE2>
A; Cross-references: EMBL: X61359; NID: g60182; PIDN: CAA43630.1; PID: g60183
C; Superfamily: type E retrovirus env polyprotein
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C;Species: human immunodeficiency virus type 1, HIV-1
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change
C;Accession: S13288
R;O'Brien, W.A.; Koyanagi, Y.; Namazie, A.; Zhao, J.Q.; Diagne, Nature 348, 69-73, 1990
A;Title: HIV-1 tropism for mononuclear phagocytes can be determinated.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   853
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C;Species: human immunodeficiency virus type 1, HIV-1
C;Date: 15-Jul-1995 #sequence_revision 01-Sep-1995 #text_change
C;Accession: S54384
R;Theodore, T.; Buckler-White, A.J.
                                                                                                     virus type
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A; Status: preliminary
A; Molecule type: genomic RNA
A; Molecule type: genomic RNA
A; Residues: 1-853 < THE>
A; Cross-references: EMBL: M22639; NID: g329377; PIDN: AAA45370.1;
C; Superfamily: type E retrovirus env polyprotein
C; Keywords: polyprotein
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s 0;
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Mismatches 0;
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Pred. No. 5.2
); Mismatches
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C;Species: human immunodeficiency virus type 1,
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submitted to the EMBL Data Library, July
A;Reference number: S54377
  RILAVERYLKDQQLLGIWGCSGKLIC
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C. Species: human immunodeficiency virus Zr-6
C. Date: 30-Sep-1987 #sequence_revision 30-Sep-1987 #text_change 16-Jul-1999
C. Accession: D26192
R. Accession: D26192
R. Anand, R.; York, D.; Ranganathan, P.; Feorino, P.; Schochetman, G.; Cu Gene 52, 71-82, 1987
A, Title: Molecular characterization of human immunodeficiency virus from Zaire: nucleoti A, Reference number: A26192; MUID:87248097; PMID:303660
A, Molecule type: DNA
A, Residues: 1-855 <SRI>
A, Molecule type: DNA
A, Residues: GB:K03458; GB:M16322; NID:g329398; PIDN:AA45380.1; PID:g329403
A, Gross-references: GB:K03458; GB:M16322; NID:g329398; PIDN:AA45380.1; PID:g329403
A, Gross-references: GB:K03458; GB:M16322; NID:g329398; PIDN:AA45380.1; PID:g329403
C. Genetics:
A, Gene: env
C; Superfamily: type E retrovirus env polyprotein; glycoprotein; immunodeficiency; polyprotein; F; 12-19/Domain: signal sequence #status predicted <AMT>
F; 20-855/Product: env polyprotein #status predicted <AMT>
F; 20-855/Product: transmembrane glycoprotein #status predicted <IMM>
F; 20-1006/Product: transmembrane glycoprotein #status predicted <IMM
F; 20-1006/Producted <IMM
F; 20-1006/Producted <IMM
F; 20-1006/Producted <IMM
F; 20-1006/Producted <IM
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Keywords: AIDS; capsid protein; coat protein; glycoprotein; immun
:1-30/Domain: signal sequence #status predicted <SIG>
:31-511/Product: exterior membrane glycoprotein #status predicted
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N;Alternate names: coat polyprotein
C;Species: human immunodeficiency virus type 1, HIV-1
A;Note: host Homo sapiens (man)
C;Date: 17-May-1985 #sequence_revision 17-May-1985 #text_change
C;Accession: A03973
R;Ratner, L.; Haseltine, W.; Patarca, R.; Livak, K.J.; Starcich,
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J.; Chang, N.T.;
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Pred. No. 5.3e-13;
); Mismatches 0;
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Pred. No. 5.2
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C; Date: 17-May-1985 #sequence_revision 17-May-1985 #text_change 16-J
C; Accession: A03975
R; Wain-Hobson, S.; Sonigo, P.; Danos, O.; Cole, S.; Alizon, M.
Cell 40, 9-17, 1985
A; Title: Nucleotide sequence of the AIDS virus, LAV..
A; Reference number: A90866; MUID:85099333; PMID:2981635
A; Accession: A03975
A; Molecule type: DNA
A; Residues: 1-861 < WAI>
A; Residues: 1-861 < WAI>
A; Coss-references: GB:KO2013; NID:9326417; PIDN:AAB59751.1; PID:932
C; Genetics:
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F;512-856/Product: transmembrane glycoprotein #status predicted
F;88,136,141,156,160,186,197,230,234,241,262,276,289,295,301,332
F;611,616,625,637,674,750,816/Binding site: carbohydrate (Asn) (
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No. 5.3e-13;
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A; Variety: isolate 278
C; Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change (C; Accession: S21994; S70421
R; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.; Hacke, W. submitted to the EMBL Data Library, July 1991
A; Description: Distinct populations of HIV-1 in blood and cerebro A; Reference number: S21994
A; Molecule type: DNA
A; Residues: 1-357 <STEL>
A; Residues: 1-357 <STEL>
A; Residues: 1-357 <STEL>
A; Title: Distinct populations of human immunodeficiency virus type A; Reference number: S70417; MUID:92144209; PMID:1736940
A; Reference number: S70417; MUID:92144209; PMID:1736940
A; Residues: preliminary
A; Molecule type: DNA
A; Residues: 1-140, 'X', 142-312, 'X', 314-357 <STE2>
C; Superfamily: rvne
C; Superfamily: rvne
C; Superfamily: rvne
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R; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.
AIDS Res. Hum. Retroviruses 8, 53-59, 1992
A; Title: Distinct populations of human immunodeficiency virus type A; Reference number: S70417; MUID:92144209; PMID:1736940
A; Reference number: S70417; MUID:92144209; PMID:1736940
A; Status: preliminary
A; Molecule type: DNA
A; Residues: 1-357 < ST2>
A; Cross-references: EMBL:X61354; NID:g60190; PIDN:CAA43620.1; PID
A; Experimental source: patient L
A; Note: submitted to the EMBL Data Library, July 1991
C; Superfamily: type E retrovirus env polyprotein
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                                        envelope protein gpl20/gp41 - human immunodeficiency virus type 1 C; Species: human immunodeficiency virus type 1, HIV-1 A; Variety: isolate 4B C; Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 01-D C; Accession: S22004; S70419 R; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.; Hacke, W. Submitted to the EMBL Data Library, July 1991 A; Description: Distinct populations of HIV-1 in blood and cerebrosping A; Reference number: S21990 A; Reference number: S21990 A; Residues: 1-357 < STE1> A; Residues: 1-357 < STE1> A; Residues: 1-357 < STE1> A; Residues: B.; Wildemann, B. A; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B. A; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B. A; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B. A; Reference number: S70417; MUID:92144209; PMID:1736940 A; Reference number: S70417; MUID:92144209; PMID:1736940 A; Recession: S70419 A; Reference number: Distinct populations of human immunodeficiency virus type 1 A; Reference number: Distinct 
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A; Note: submitted to the EMBL Data Library, July 1991
C: Superfamily: type E retrovirus env polyprotein
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Pred. No. 3e-13;
1; Mismatches
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A;Cross-references: EMBL:X61353; NID:g60188
C;Superfamily: type E retrovirus env polyprotein
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A; Status: preliminary
A; Molecule type: DNA
A; Residues: 1-357 <ST
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Attorion precursor - human immunodeficiency virus type 1 (isolate 2321)

NyAlternate names: coat polyprotein
NyContains: coat protein gp120; coat protein gp41
C;Species: human immunodeficiency virus type 1, HIV-1
A;Note: host Homo sapiens (man)
C;Species: human immunodeficiency virus type 1, HIV-1
A;Note: host Homo sapiens (man)
C;Species: human immunodeficiency virus type 1, HIV-1
C;Date: 17-Feb-1994 #sequence_revision 17-Feb-1994 #text_change 28-May-1999
C;Accession: A44963
R;Srinivasan, A.; York, D.; Butler Jr., D.; Jannoun-Nasr, R.; Getchell, J.; McCormick, J.
AIDS Res. Hum. Retroviruses 5, 121-129, 1989
A;Title: Molecular characterization of HIV-1 isolated from a serum collected in 1976: nu A;Recession: A44963
A;Molecule type: DNA
A;Accession: A44963
A;Molecule type: DNA
A;Accession: A44963
A;Molecule type: DNA
A;Residues: 1-856 csR1>
A;Cross-references: GB:MI5896; NID:g329392; PIDN:AAB53948.1; PID:g329394
C;Genetics:
A;Gene: env
C;Superfamily: type E retrovirus env polyprotein
C;Keywords: capaid protein; coat protein; glycoprotein; polyprotein; transmembrane protein C;Keywords: coat protein gp41 #status predicted <CP1>
F;32-29/Domain: signal sequence #status predicted <CP2>
F;64-705/Domain: transmembrane #status predicted <CP2>
F;68-7132,138,152,156,183,198,242,263,277,294,302,339,398,402,411,448,461,462,465,611
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Virology 168, 79-89, 1989
A; Title: Biological and molecular characterization of human immunodeficiency A; Reference number: A94389; MUID:89085613; PMID:2789516
A; Reference number: A31667
A; Molecule type: DNA
A; Residues: 1-852 < ANA>
C; Superfamily: type E retrovirus env polyprotein
C; Keywords: capsid protein; coat protein; polyprotein; transmembrane protein
C; Keywords: capsid protein gp120 #status predicted < CP1>
F; 517-852/Product: coat protein gp41 #status predicted < CP2>
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A; Variety: isolate 20
C; Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 01-C; Accession: S21990; S70423
R; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.; Hacke, W. submitted to the EMBL Data Library, July 1991
A; Description: Distinct populations of HIV-1 in blood and cerebrosp A; Reference number: S21990
A; Reference number: S21990
A; Molecule type: DNA
A; Residues: 1-357 <STE1>
A; Cross-references: EMBL:X61357; NID:g60175; PIDN:CAA43626.1; PID:g R; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.
AIDS Res. Hum. Retroviruses 8, 53-59, 1992
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1.1e-12;
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Pred. No. 7.4e-13
1; Mismatches
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Pred. No. 1
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envelope protein gp120/gp41 - human immunodeficiency virus type 1 (patient 3 C; Species: human immunodeficiency virus type 1, HIV-1
A; Variety: patient 3B
C; Date: 19-Mar-1997 #sequence_revision 25-Apr-1997 #text_change 26-Aug-1999
C; Accession: S70417
R; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.
AIDS Res. Hum. Retroviruses 8, 53-59, 1992
A; Title: Distinct populations of human immunodeficiency virus type 1 in bloom A; Reference number: S70417; MUID: 92144209; PMID:1736940
A; Reference number: S70417; MUID: 92144209; PMID:1736940
A; Residues: preliminary
A; Molecule type: DNA
A; Residues: 1-358 <STE>
A; Cross-references: EMBL:X61351; NID: 960184; PIDN: CAA43614.1; PID: 960185
C; Superfamily: type E retrovirus env polyprotein
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No. 1.1e-12;
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Pred. No. 8.7e-13;
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N;Alternate names: coat polyprotein
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A; Variety: isolate 3L

C; Species: human immunodeficiency virus type 1, HIV-1

A; Variety: isolate 3L

C; Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 01-1

C; Date: 20-Feb-1995 #sequence_revision of HIV-1 in blood and cerebrosp;

A; Reference number: S21990

A; Reference number: S21990

A; Residues: 1-338 *STE1>

A; Residues: Distinct populations of human immunodeficiency virus type 1

A; Reference number: S70417; MUID:92144209; PMID:1736940

A; Residues: Dreliminary

A; Residues: 1-333, 'X', 335-358 *STE2>

A; Residues: 1-330, 'X', 335-359 *STE2>

A; Residues: 1-330, 'X', 335-359 *STE2>

A; Residues: 1-330, 'X', 335-350 *STE2>

A; Residues: 1-350, 'X', 335-350 *ST
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C; Species: human immunodeficiency virus type 1, HIV-1
C; Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 12-7
C; Accession: $22000
R; Steuler, H.; Storch-Hagenlocher, B.; Wildemann, B.; Hacke, W.
Submitted to the EMBL Data Library, July 1991
A; Description: Distinct populations of HIV-1 in blood and cerebrospi A; Reference number: $21990
A; Accession: $22000
A; Accession: $22000
A; Accession: $22000
A; Residues: preliminary
A; Molecule type: DNA
A; Residues: 1-358 <STE>
A; Cross-references: EMBL: X61351
C; Superfamily: type E retrovirus env polyprotein
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A; Title: Distinct populations of human immunodeficiency virus A; Reference number: S70417; MUID:92144209; PMID:1736940 A; Accession: S70423 A; Accession: S70423 A; Status: preliminary A; Molecule type: DNA A; Molecule type: DNA A; Residues: 1-332,'X',334-357 <STE2> A; Cross-references: EMBL:X61357; NID:g60175; PIDN:CAA43626.1; C; Superfamily: type E retrovirus env polyprotein
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2; Mismatches 0;
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Similarity 92.3%;
24; Conservative
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C;Species: human immunodeficiency virus type 1, HIV-1
A;Note: host Homo sapiens (man)
C;Date: al.-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 09-Sep-1994
C;Accession: H44001
R;Li, Y; Hui, H.; Burgess, C.J.; Price, R.W.; Sharp, P.M.; Hahn, B.H.; Shaw, G.M.
J. Virol. 66, 6587-6600, 1992
A;Title: Complete nucleotide sequence, genome organization, and biological properties of A;Reference number: A44001; MUID:93021387; PMID:1404605
A;Accession: H44001
A;Molecule type: DMA
A;Residues: 1-843 <LIY>
A;Cross-references: GB:M93258
C;Genetics:
C;Genetics:
A;Genetics:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       envelope glycoprotein - human immunodeficiency virus type 1 (strain sc14.3)

C; Species: human immunodeficiency virus type 1, HIV-1

C; Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 21-Jul-2000

C; Accession: T12016

R; McCutchan, F.E.; Sanders-Buell, E.; Salminen, M.O.; Carr, J.K.; Sheppard, W.H.

AIDS Res. Hum. Retroviruses 14, 329-337, 1998

A; Title: Diversity of the human immunodeficiency virus type 1 envelope glycoprot A; Reference number: Z17379; MUID: 98178716; PMID: 9519894

A; Reference number: Z17379; MUID: 98178716; PMID: 9519894

A; Residues: Dreliminary; translated from GB/EMBL/DDBJ

A; Residues: 1-852 <MCC>
A; Cross-references: EMBL: U90934; NID: 92351783; PIDN: AAC59271.1; PID: 92351784

C; Genetics:

A; Gene: env
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 852
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Pred. No. 2.1e-12
2; Mismatches (
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NyAlternate names: coat polyprotein
Cypecies: human immunodeficiency virus type 1, HIV-1
A;Note: host Homo sapiens (man)
Cybate: 11-Feb-1993 #sequence_revision 31-Dec-1993 #text_change 31-Jan-1997
Cypeciesion: B41621
R;Burger, H.; Weiser, B.; Flaherty, K.; Gulla, J.; Nguyen, P.N.; Gibbs, R.A.
Proc. Natl. Acad. Sci. U.S.A. 88, 11236-11240, 1991
A;Atile: Evolution of human immunodeficiency virus type 1 nucleotide sequence diversing A;Reference number: A41621; MUID:92107924; PMID:1763038
A;Accession: B41621
A;Molecule type: DNA
A;Residues: 1-454 kBUR>
A;Molecule type: DNA
A;Residues: 1-454 kBUR>
A;Molecule type: Communication the daughter
C;Genetics:
A;Gene: cost protein gp120 (fragment) #status predicted <GP1>
C;Keywords: A1DS; capsid protein gp120 (fragment) #status predicted <GP1>
C;Keywords: A1DS; capsid protein gp120 (fragment) #status predicted <GP2>
F;1-262-A54/Product: coat protein gp120 (fragment) #status predicted <GP2>
F;263-454/Domain: transmembrane #status predicted <TMN>
F;9,23,36,42,48,49,78,85,102,108,132,138,142,195,210,214,362,367,376/Binding site: C
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No. 1.1e-12;
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Pred. No. 1.1e-12;
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N;Alternate names: coat polyprotein
N;Contains: coat protein gp120; coat protein gp41
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          C; opecies: human immunodeficiency virus type A; Note: host Homo sapiens (man) C; Date: 11-Feb-1993 #sequence_revision 31-De C; Accession: A41621
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)30-859/Product: env polyprotein #status predicted <EPP>
'87,129,135,140,141,146,161,165,191,202,246,267,281,294,300,336,343,359,365,389,395,401
            A;Gene: env
C;Superfamily: type E retrovirus env polyprotein; polyprotein; transmembrane prot
C;Keywords: capsid protein; coat protein; glycoprotein; polyprotein; transmembrane prot
C;Keywords: capsid protein; coat proteicted <SIG>
F;1-29/Domain: signal sequence #status predicted <EPP>
F;30-861/Product: env polyprotein #status predicted <EPP>
F;87,129,135,140,143,159,163,187,198,234,241,262,276,295,301,302,333,340,356,362,386,39
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NyAlternate names: coat polyprotein
C;Species: human immunodeficiency virus type 1, HIV-1
A;Note: host Homo sapiens (man)
C;Date: 31-Dec-1990 #sequence_revision 31-Dec-1990 #text_change 16-Feb-1997
C;Accession: A28922
R;Gurgo, C.; Guo, H.G.; Franchini, G.; Aldovini, A.; Collalti, E.; Farrell, K.; Virology 164, 531-536, 1988
A;Title: Envelope sequences of two new United States HIV-1 isolates.
A;Reference number: A28922; MUID:88219542; PMID:3369091
A;Reference number: A28922; MUID:88219542; PMID:3369091
A;Residues: 1-859 <GUR>
C;Genetics:
A;Residues: 1-859 <GUR>
C;Genetics:
A;Gene: env
C;Superfamily: type E retrovirus env polyprotein; polyprotein; transmembra C;Keywords: capsid protein; coat protein; glycoprotein; polyprotein; transmembra F;1-29/Domain: signal sequence #status predicted <SIG>F;30-859/Product: env polyprotein #status predicted <EPP>
F;87,129,135,140,141,146,161,165,191,202,246,267,281,294,300,336,343,359,365,389
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Pred. No. 2.2e-12
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Pred. No. 2.2e-12
0; Mismatches
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                                                                                                                                                                                                                                                       th 97.1%;
Similarity 92.3%;
24; Conservative
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A; Reference number: A04003; MUID:85090453; PMID:2578227
A; Accession: A03976
A; Molecule type: DNA
A; Molecule type: DNA
A; Residues: 1-855 <SAN>
A; Cross-references: GB:K02007; NID:g328658; PIDN:AAB59882.1; PID:g328666
C; Genetics:
A; Ge
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .; Farrell,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07-Nov-1997
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C. Date: 30-Sep-1988 #sequence_revision 30-Sep-1988 #text_change 07-N C: Date: 30-Sep-1988 #text_change 07-N C: Date: 1986 #station and characterization of conserved and variate A: Title: Identification and characterization of conserved and variate A: Reference number: A24774; MUID:86218077; PMID:2423250 A: Residues: 1-856 *STA>
A: Residues: 1-856 *STA>
A: Cross-references: GB: K03455; GB: M38432; NID:g1906382 C: Genetics: A: Genetics: A: Genetics: A: Genetics: A: Genetics: C: Superfamily: type E retrovirus env polyprotein; transmembrane F: 1-29/Domain: signal sequence #status predicted *SIG> F: 1-29/Domain: signal sequence #status predicted *GPI> F: 30-S01/Product: coat protein gp120 #status predicted *GPI> F: 870-847/Product: coat protein gp41 #status predicted *GPI> F: 871-1140,151,155,183,197,234,241,262,276,289,295,331,338,354,360
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C; Species: human immunodeficiency virus type 1, HIV-1
A; Note: host Homo sapiens (man)
C; Date: 31-Dec-1990 #sequence_revision 31-Dec-1990 #text_change 16-F
C; Accession: B28922
R; Gurgo, C.; Guo, H.G.; Franchini, G.; Aldovini, A.; Collalti, E.; F
Virology 164, 531-536, 1988
A; Title: Envelope sequences of two new United States HIV-1 isolates.
A; Reference number: A28922; MUID:88219542; PMID:3369091
A; Accession: B28922
A; Molecule type: DNA
A; Residues: 1-861 < GUR>
C; Genetics:
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Pred. No. 2.1e-12;
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illarity 92.3%;
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92.3%;
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Value of the polyprotein precursor - human immunodeficiency virus type 1 (strain KB-1-gp41)

N.Alternate names: coat polyprotein

N.Alternate names: coat polyprotein

N.Contains: coat protein gp120; coat protein gp41

C;Species: human immunodeficiency virus type 1, HIV-1

A;Note: host Homo sapiens (man)

C;Date: 31-Mar-1993 #sequence_revision 31-Mar-1993 #text_change 01-Mar-1996

C;Accession: A42995

R;Shimizu, H; Hasebe, F; Tsuchie, H; Morikawa, S; Ushijima, H; Kitamura, T.

N;Cology 189; S34-546, 1992

A;Title: Analysis of a human immunodeficiency virus type 1 isolate carrying a truncated A;Reference number: A42995, MUID:92351552; PMID:1322587

A;Accession: A42995

A;Accession: A42995

A;Accession: A29995, MUID:92351552; PMID:1322587

A;Accession: A29995, MUID:92351552; PMID:1322587

A;Accession: A29995

A;Accession: A29995, MUID:92351552; PMID:1322587

A;Accession: A29995

A;
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C; Species: human immunodeficiency virus type 1, HIV-1
C; Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 24-Nov-1999
C; Accession: T09448
R; Pang, S.; Vinters, H.V.; Akashi, T.; O'Brien, W.A.; Chen, I.S.; Koyanagi, Y.; submitted to the EMBL Data Library, July 1996
A; Reference number: 216673
A; Accession: T09448
A; Reference number: 216673
A; Accession: T09448
A; Reference number: DNA
A; Residues: 1-847 < PAN>
A; Genetics:
C; Genetics:
A; Genetics:
C; Superfamily: type E retrovirus env polyprotein
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6.2e-12;
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8.7e-12
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Similarity 92.3%;
24; Conservative
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Best Local Similarity 88.5%;
Matches 23; Conservative
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Best Local S
Matches 24
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S13289
                                    RESULT
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A,Note: host Human immunodeficiency virus type 1, HIV-1
A,Note: host Homo sapiens (man)
C.Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 01-Mar-1996
C.Accession: B42995
R;Shimizu, H.; Hasebe, F.; Tsuchie, H.; Morikawa, S.; Ushijima, H.; Kitamura, T.
Virology 189, 534-546, 1992
A;Title: Analysis of a human immunodeficiency virus type 1 isolate carrying a tr
A,Reference number: A42995; MUD:92351552; PMID:1322587
A;Accession: B42995
A;Molecule type: man,A
A;Residues: 1-729 <SHI.
A,Residues: 1-729 <SHI.
A,Gene: env
C;Genetics:
C;Genetics:
A,Gene: env
C;Superfamily: type E retrovirus env polyprotein
C;Keywords: coat protein; glycoprotein; polyprotein
C;Keywords: coat protein; glycoprotein; polyprotein
C;Keywords: coat protein; glycoprotein predicted <SHI.
F;1-689/Domain: extracellular #status predicted <CP1>F;1-33/Region: hydrophobic #status predicted <CP2>F;1-33/Region: coat protein gp32 #status predicted
F;34-51/Region: cleavage processing #status predicted <P1>F;514-51/Region: hydrophobic #status predicted <P1>F;514-51/Region: hydrophobic #status predicted <P1>F;518-729/Domain: intracellular #status predicted <IM1>F;712-729/Domain: intracellular #status predicted <IM1</sup>F;712-729/Domain: intracellular #status predicted <IM1</sup>F;712-729/Domain: intr
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A;Cross-references: EMBL:Z11530; NID:g60192; PIDN:CAA77628.1; PISC;Superfamily: type E retrovirus env polyprotein
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C;Species: human immunodeficiency virus type 1, HIV-1
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change
C;Accession: S33985
R;Carlini, F.
submitted to the EMBL Data Library, November 1991
A;Reference number: S33979
                                                                                                                                                                                                                                                                                                         immunodeficiency virus type
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Pred. No. 6.2e-12;
); Mismatches 1;
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Pred. No. 5.2e-12;
2; Mismatches 1;
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                 ·- H
       Pred. No. 3.1e-12
; Mismatches
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23; Conservative
Similarity 92.
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A;Molecule type: mRNA
A;Residues: 1-851 <CAR>
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A; Accession: $09990
A; Status: nucleic acid sequence not shown; translation not shown
A; Molecule type: DNA
A; Residues: 1-854 <HUE>
A; Residues: 1-854 <HUE>
A; Residues: 1-854 <HUE>
A; Cross-references: EMBL:X52154; NID:958866; PIDN:CAA36407.1; PID:958874
C; Genetics:
A; Genetics:
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C; Gene
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C; Species: human immunodeficiency virus type 1, HIV-1
C; Date: 19-Feb-1999 #sequence_revision 19-Feb-1999 #text_change 2
C; Accession: T01672
R; Alizon, M.; Wain-Hobson, S.; Gluckman, J.C.; Sonigo, P.
Cell 46, 63-74, 1986
A; Title: Genetic variability of the AIDS virus: Nucleotide sequen A; Reference number: Z14389; MUID:86245056; PMID:2424612
A; Reference number: Z14389; MUID:86245056; PMID:2424612
A; Accession: T01672
A; Status: preliminary; translated from GB/EMBL/DDBJ
A; Molecule type: mRNA
A; Residues: 1-859 < ALI>
A; Residues: 1-859 < ALI>
C; Superfamily: type E retrovirus env polyprotein
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4.3e-10;
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Pred. No. 1.5e-10;
; Mismatches 1
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Pred. No. 1e-06;
; Mismatches
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C; Date: 30-Sep-1991 #sequence_revision 30-Sep-1991 #text_change 16-Jul-1999
C; Date: 30-Sep-1991 #sequence_revision 30-Sep-1991 #text_change 16-Jul-1999
C; Accession: JQ0066
R; Spire, J.; Zachar, V.; Rey, F.; Barre-Sinoussi, F.; Galibert, F.; Hampe, A.; Gene 81, 275-284, 1989
A; Title: Nuclectide sequence of HIV1-NDK: a highly cytopathic strain of the human immunc A; Reference number: JQ0066; MUID: 90034200; PMID: 2806917
A; Accession: JQ0066
A; Molecule type: DNA
A; Residues: 1-846 < SPI>
A; Residues: 1-846 < SPI>
A; Residues: 1-846 < SPI>
A; Note: the authors translated the codon GCG for residue 523 as Arg
C; Genetics:
A; Note: the authors translated the codon GCG for residue 523 as Arg
C; Genetics:
C; Superfamily: type E retrovirus env polyprotein
C; Keywords: AIDS; capaid protein; cat protein; glycoprotein; immunodeficiency; polyprot
C; Keywords: AIDS; capaid protein; gp120 #status predicted <CPI>
F; 1-29/Domain: signal sequence #status predicted <CPI>
F; 502-520/Domain: transmembrane #status predicted <TMI>
F; 502-520/Domain: transmembrane #status predicted <TMI>
F; 674-692/Domain: transmembrane #status predicted <TMI>
F; 674-692/Domain: transmembrane #status predicted <TMI>
F; 671-692/Domain: transmembrane #status predicted <TMI>
F; 671-692/Domain:
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C;Species: human immunodeficiency virus type 1, HIV-1
C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change
C;Accession: S13289
R;O'Brien, W.A.; Koyanagi, Y.; Namazie, A.; Zhao, J.Q.; Diagne, Nature 348, 69-73, 1990
A;Title: HIV-1 tropism for mononuclear phagocytes can be determinatelerence number: S13288; MUID:91043044; PMID:2172833
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7.2e-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       , DB 2;
8.7e-12;
                                                                                                                                                                        A; Title: HIV-1 tropism for mononuclear phagocytes A; Reference number: $13288; MUID: 91043044; PMID: A; Recession: $13289
A; Status: preliminary
A; Molecule type: DNA
A; Residues: 1-847 < OBR>
C; Superfamily: type E retrovirus env polyprotein
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Mismatches
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Pred. No.
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larity 84.6%;
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C;Species: similar immunodeficiency virus, SIV
C;Species: similar immunodeficiency virus, SIV
C;Date: 07-Apr-1994 #sequence_revision 18-Nov-1994 #text_change 12-Apr-1995
C;Accession: A47665
C;Accession: A47665
R;Kodama, T.; Mori, K.; Kawahara, T.; Ringler, D.J.; Desrosiers, R.C.
J. Virol. 67, 6522-6534, 1993
A;Title: Analysis of similar immunodeficiency virus sequence variation in tissues of rhese A;Reference number: A47665; MUID:94016835; PMID:8411355
A;Accession: A47665
A;Coperimental source: brain isolate, Macaca mulatta
A;Molecule type: nucleic acid
A;Residues: 1-869 < KOD>
A;Experimental source: brain isolate, Macaca mulatta
A;Note: sequence extracted from NCBI backbone (NCBIP:138422)
C;Superfamily: type E retrovirus env polyprotein
         MUID:93124535; PMID:8419635
                                                              compared with conceptual
A; Reference number: A45713; MUID: 93124535; PMID: 8, Accession: A45713
A; Accession: A45713
A; Status: preliminary; not compared with conceptu A; Molecule type: DNA
A; Residues: 1-855 < BAR>
A; Experimental source: UCl
A; Note: sequence extracted from NCBI backbone (NCC; Superfamily: type E retrovirus env polyprotein
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Best Local S
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                                                                                                                                                                                                           C;Species: human immunodeficiency virus type 1, HTV-1
C;Species: human immunodeficiency virus type 1, HTV-1
C;Species: human immunodeficiency virus type 1, HTV-1
C;Date: 19-Mar-1997 #sequence_revision 24-Jul-1997 #text_change 26-Aug-199
C;Accession: S49197
R;Charneau, P.; Borman, A.M.; Quillent, C.; Guetard, D.; Chamaret, S.; Col submitted to the EMBL Data Library, July 1994
A;Description: Isolation and envelope sequence of a highly divergent HIV-1
A;Reference number: S49197
A;Residues: 1-877 <CHA>
Experimental source: isolate VAU
C;Superfamily: type E retrovirus env polyprotein
C;Keywords: glycoprotein; capsid protein; coat protein; transmembrane prot F;1-30/Domain: signal sequence #status predicted <CPl>F;31-535/Product: coat protein gp120 #status predicted <CPl>F;31-535-877/Product: coat protein gp120 #status predicted <CPl>F;536-877/Product: coat protein gp120 #status predicted <CPl>F;536-877/Product: coat protein gp21 #status predicted <TWNN>
F;59,88,139,148,159,184,188,198,230,235,242,263,270,277,292,302,333,345,35
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S52930
GP41 ENV protein - human immunodeficiency virus type 1 (fragment
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Bay transmembrane protein gp43 - human immunoaerication and transmembrane protein gp43 - human immunodeficiency virus type 2, HIV-2
C;Species: human immunodeficiency virus type 2, HIV-2
C;Date: 04-Mar-1994 #sequence_revision 18-Nov-1994 #text_change C;Accession: A45713
R;Barnett, S.W.; Quiroga, M.; Werner, A.; Dina, D.; Levy, J.A. J. Virol. 67, 1006-1014, 1993
A;Title: Distinguishing features of an infectious molecular closes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C; Species: human immunodeficiency virus type 1, HIV-1
C; Date: 06-Jun-1995 #sequence_revision 21-Jul-1995 #text_change
C; Accession: S52930
R; Cohen, J.H.M.; Guetard, D.; Philbert, F.; Chamaret, S.; Tabary
submitted to the EMBL Data Library, January 1995
A; Description: A novel HIV1-O strain illustrates the diversity of
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Pred. No. 1.3e-06
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env polyprotein
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594 RLLALETFIQNQQLLNLWGCKNRLIC
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A; Status: preliminary
A; Molecule type: genomic RNA
A; Residues: 1-104 <COH>
A; Cross-references: EMBL: X84328; N:
C; Superfamily: type E retrovirus en
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larity 53.8%;
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larity 57.7%;
Conservative
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Matches 14; Conser
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Victors:

Victors:

Victors:

NiAlternate names: coat polyprotein

NiAlternate names: name namunodeficiency virus type 2, HIV-2

A;Note: host Homo sapiens (man)

C;Accession: H33943

N;Xumar. P.; Hui, H.; Kappes, J.C.; Haggarty, B.S.; Hoxie, J.A.; Arya, S.K.; Shaw, G.M.;

J. Virol. 64, 890-901, 1990

A;Title: Molecular characterization of an attenuated human immunodeficiency virus type 2

A;Reference number: A33943; MUID:90112662; PMID:2296086

A;Reference number: A33943; MUID:90112662; PMID:2296086

A;Recaile type: genomic RNA

A;Residues: 1-859 «KUM»

A;Gene: env

C;Genetics:

C;Reywords: coat protein; glycoprotein; polyprotein; transmembrane predicted <SIG»

C;Reywords: coat protein; glycoprotein gpi20 effatus predicted <TGO»

F;20-501/Product: env polyprotein #status predicted <SIG»

F;20-501/Product: env polyprotein gpi20 effatus predicted <TGO»

F;20-501/Product: unrface glycoprotein gpi20 effatus predicted <TGO»

F;20-501/Product: transmembrane #status predicted <TMN>

F;50-501/Product: transmembrane #status predicted <TMN>

F;50-504/Pomain: transmembrane #status predicted <TMN>

F;36,69,78,113,119,131,137,145,160,173,186,200,232,235,232,235,242,266,272,228,294,304,359,392,40
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6.8e-05;
                                                                                                  th 64.0%; Score 89; DB 2; Similarity 53.8%; Pred. No. 2.3e-05; 14; Conservative 6; Mismatches 6
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581 RVTAIEKYLKDQALLNSWGCAFRQVC 606
                                                                                                                                                                                                                                         1 RILAVERYLKDQQLLGIWGCSGKLIC 26
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Local Similarity 50.0%;
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in West Africa
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C.Species human immunodeficiency virus type 2, HIV-2
C.Species human infection by genetically diverse SIVSM-related HIV-2 in West Afril-8
Nature 358, 455-499, 1922
A;Recession S30448; MUID:9235029; PMID:1641038
A;Recession S30448; MUID:9235029; PMID:1641038
A;Recession S30448
A;Recession S30449
A;Residues: 1-151 cGAM>
A;R
                                                                                                                                                                                                                                         Greene,
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                                                     env protein - human immunodeficiency virus type 2 (fragment)
C;Species: human immunodeficiency virus type 2, HIV-2
C;Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change 17-Mar-1999
                                                                                                                                                                                                                                       A.P.;
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R; Gao, F.; Yue, L.; White, A.T.; Pappas, P.G.; Barchue, J.; Nature 358, 495-499, 1992
A; Title: Human infection by genetically diverse SIV(SM)-re]
A; Reference number: S30448; MUID: 92350299; PMID: 1641038
A; Accession: S30459
A; Status: translation not shown
A; Molecule type: nucleic acid
A; Residues: 1-151 < GAO>
A; Cross-references: EMBL: M87143
C; Genetics:
A; Gene: env
C; Superfamily: type E retrovirus env polyprotein
C; Keywords: coat protein; glycoprotein
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6; Mismatches
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larity 50.0%; Pred. No.
Conservative 6; Mismatc
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C; Species: human immunodeficiency virus type 2, HIV-2
C; Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change 23-M
C; Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change 23-M
C; Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change 23-M
C; Accession: S30458; S30477
R; Gao, F; Yue, L; White, A.T.; Pappas, P.G.; Barchue, J.; Hanson, Nature 358, 495-499, 1992
A; Title: Human infection by genetically diverse SIV(SM)-related HIV-A; Residues: 1-151 cGAO
A; Cross-references: EMBL:M87142
R; Gao, F; Yue, L.; White, A.T.; Pappas, P.G.; Barchue, J.; Hanson, Submitted to the EMBL: Data Library, December 1992
A; Description: Human infection by genetically diverse SIVSM-related A; Reference number: S30460
A; Residues: 1-151 cGA2>
A; Status: preliminary
A; Molecule type: nucleic acid
A; Residues: 1-151 cGA2>
A; Cross-references: EMBL:M87141
C; Genetics:
A; Gene
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      Score 84; DB 2; Le
Pred. No. 0.00014;
5; Mismatches 7;
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Best Local Similarity 50.0%; Pred. No. 0.00014;
Matches 13; Conservative 6; Mismatches 7
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594 RVTAIEKYLKDQAQLNTWGCAFRQVC 619
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cypotein - human immunodeficiency virus type 2 (fragment)

Cypecies: human immunodeficiency virus type 2, HIV-2

Cypecies: human immunodeficiency virus type 3. HIV-2

Cypecession: $30451

RyGao, F.; Yue, L.; White, A.T.; Pappas, P.G.; Barchue, J.; Hanson, A.P.; Greene, B.M.;

Nature 358, 495-499, 1992

A;Title: Human infection by genetically diverse SIV(SM)-related HIV-2 in West Africa.

A;Reference number: $30448; MUID:92350299; PMID:1641038

A;Reference number: $30448; MUID:92350299; PMID:1641038

A;Reference number: GAO>

A;References: EMBL:M87074

C;Genetics:

A;Genetics:

A;Genetics:

C;Keywords: coat protein; glycoprotein
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c) Species: human immunodeficiency virus type 2 (fragment)
C; Species: human immunodeficiency virus type 2, HIV-2
C; Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change 17-Mar-1999
C; Accession: S30457
R; Gao, F.; Yue, L.; White, A.T.; Pappas, P.G.; Barchue, J.; Hanson, A.P.; Greene, Nature 358, 495-499, 1992
A; Title: Human infection by genetically diverse SIV(SM)-related HIV-2 in West Africatus: translation not shown
A; Reference number: S30448; MUID:92350299; PMID:1641038
A; Reference type: nucleic acid
A; Residues: 1-151 <GAO>
A; Residues: 1-151 <GAO>
A; Residues: 1-151 <GAO>
C; Genetics:
A; Genetics:
A; Genetics:
C; Reywords: coat protein; glycoprotein
C; Reywords: coat protein; glycoprotein
S30448; MUID:92350299; PMID:1641038
  A; Reference number: S30448; MUID: 92350299; PMID:164
A; Accession: S30450
A; Status: translation not shown
A; Molecule type: nucleic acid
A; Residues: 1-151 <GAO>
A; Cross-references: EMBL:M87072
C; Genetics:
A; Gene: env
C; Superfamily: type E retrovirus env polyprotein
C; Keywords: coat protein; glycoprotein
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Best Local Similarity 50.0%;
Matches 13; Conservative
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Best Local Similarity 50.0%;
Matches 13; Conservative
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Similarity 50.0%;
13; Conservative
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Matches 13
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C; Species: human immunodeficiency virus type 2, HIV-2
C; Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change 17-M
C; Accession: 830452
R; Gao, F.; Yue, L.; White, A.T.; Pappas, P.G.; Barchue, J.; Hanson, Nature 358, 495-499, 1992
A; Title: Human infection by genetically diverse SIV(SM)-related HIV-A; Reference number: 830448; MUID:92350299; PMID:1641038
A; Accession: 830452
A; Accession: 830452
A; Residues: 1-151 < GAO>
A; Cross-references: EMBL:M87075
C; Genetics:
A; Genetics:
A; Genetics:
A; Genetics:
C; Superfamily: type E retrovirus env polyprotein
C; Keywords: coat protein; glycoprotein
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C;Species: human immunodeficiency virus type 2, HIV-2
C;Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change C;Accession: S30450
R;Gao, F.; Yue, L.; White, A.T.; Pappas, P.G.; Barchue, J.; Hans Nature 358, 495-499, 1992
A;Title: Human infection by genetically diverse SIV(SM)-related
                                                                                                                                                                                                    env protein - human immunodeficiency virus type 2 (fragment)
C;Species: human immunodeficiency virus type 2, HIV-2
C;Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change
C;Accession: S30453
R;Gao, F.; Yue, L.; White, A.T.; Pappas, P.G.; Barchue, J.; Hans
Nature 358, 495-499, 1992
A;Title: Human infection by genetically diverse SIV(SM)-related
A;Reference number: S30448; MUID:92350299; PMID:1641038
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Pred. No. 3.2e-05;
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Pred. No. 3.2e-05;
6; Mismatches 7;
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A; Status: translation not shown
A; Molecule type: nucleic acid
A; Residues: 1-151 <GAO>
A; Cross-references: EMBL: M87089
C; Genetics:
A; Gene: env
C; Superfamily: type E retrovirus env polyprotein
C; Keywords: coat protein; glycoprotein
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                                       RILAVERYLKDQQLLGIWGCSGKLIC
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13; Conservative
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Matches 13; Conser
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Length 151;

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Score 83; DB Pred. No. 3.2e 6; Mismatches

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В.М.;

A.P.; Greene,

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Length 151

Score 83; DB 2; Le Pred. No. 3.2e-05; 6; Mismatches 7;

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Score 83; DB 2; L. Pred. No. 3.2e-05; 5; Mismatches 7;

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C;Species: human immunodeficiency virus type 2, HIV-2
C;Species: human immunodeficiency virus type 2, HIV-2
C;Date: 02-Dec-1993 #sequence_revision 30-Jan-1998 #text_change 17-
C;Accession: S30456
R;Gao, F.; Yue, L.; White, A.T.; Pappas, P.G.; Barchue, J.; Hanson,
Nature 358, 495-499, 1992
A;Title: Human infection by genetically diverse SIV(SM)-related HIV
A;Reference number: S30448; MUID:92350299; PMID:1641038
A;Accession: S30456
A;Reference nucleic acid
A;Residues: 1-151 cGAO>
A;Cross-references: EMBL:M87129
C;Genetics:
A;Gene: env
C;Superfamily: type E retrovirus env polyprotein
C;Keywords: coat protein; glycoprotein
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Pred. No. 3.2e-05;
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Mismatches 7;
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Pred. No. 3
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Best Local Similarity 50.0%;
Matches 13; Conservative
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Best Local Similarity 50.00
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RESULT S30455

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Gaps

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C; Species: siminal immunodeficiency virus SIVagm
A; Variety: isolate SAB-1
C; Date: 25-Dec-1994 #sequence_revision 14-Feb-1997 #text_change 20-Sep-1999
C; Date: 25-Dec-1994 #sequence_revision 14-Feb-1997 #text_change 20-Sep-1999
C; Accession: $4632.
R; Jin, M.J.; Hui, H.; Robertson, D.L.; Mueller, M.C.; Barre-Sinoussi, F.; Hirsch, V.M.; EMBO J. 13, 2335-2947, 1994
A; Title: Mosaic genome structure of simian immunodeficiency virus from West African gree A; Reference number: $46335; MUID:94298785; PMID:8026477
A; Reference number: $46352
A; Status: nucleic acid sequence not shown; translation not shown
A; Molecule type: DNA
A; Residues: 1-732 < JIN>
A; Residues
F;20-712/Product: env polyprotein #status predicted <ENV>
F;20-501/Product: surface glycoprotein gp120 #status predicted <SGG>
F;506-712/Product: transmembrane glycoprotein gp41 #status predicted <TPG>
F;507-523/Region: hydrophobic
F;675-694/Domain: transmembrane #status predicted <TMN>
F;675-694/Domain: transmembrane #status predicted <TMN>
F;36,69,78,113,119,131,137,145,160,173,200,232,235,242,266,272,283,294,304,359,392,402,4
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C;Accession: S12159
R;Kuehnel, H.; Kreutz, R.; Ruebsamen-Waigmann, H.
Nucleic Acids Res. 18, 6142, 1990
A;Title: Nucleotide sequence of HIV-2(D194), an isolate from a Gambian case A;Reference number: S12152; MUID:91045094; PMID:2235509
A;Reference number: S12152, MUID:91045094; PMID:2235509
A;Accession: S12159
A;Accession: S12159
A;Accession: S12159
A;Accession: S12159
A;Cross-references: EMBL:X52223; NID:g60155; PIDN:CAA36471.1; PID:g60163
A;Cross-references: EMBL:X52223; NID:g60155; PIDN:CAA36471.1; PID:g60163
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, June C;Superfamily: type E retrovirus env polyprotein
C;Superfamily: type E retrovirus env polyprotein
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Pred. No. 0.00019;
6; Mismatches 7;
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7; Mismatches 6;
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5; Mismatches 7;
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Matches 13; Conservative 6
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C; Superfamily: type E retrovirus env polyprotein; glycoprotein; immunodeficiency; polyprot
C; Keywords: AIDS; capsid protein; coat protein; gp120 (fragment) #status predicted <GP1>
F;140-366/Product: coat protein gp32 (fragment) #status predicted <GP2>
F;141-157/Domain: transmembrane #status predicted <TM1>
F;309-325/Domain: transmembrane #status predicted <TM2>
F;23,75,91,94,239,248,264/Binding site: carbohydrate (Asn) (covalent) #status predicted
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A; Accession: B41565
A; Molecule type: DNA
A; Residues: 1-366 < KHA>
A; Residues: 1-366 < KHA>
C; Genetics:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             host Homo sapiens (man)
30-Jun-1993 #sequence_revision 30-Jun-1993 #text_change
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A; Accession: A42535
A; Molecule type: DNA
A; Residues: 1-712 < MUL>
A; Cross-references: GB: M86924; NID: g325760; PIDN: AAA43938.1;
C; Genetics:
A; Gene: env
C; Superfamily: type E retrovirus env polyprotein
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R; Mulligan, M.J.; Yamshchikov, G.V.; Ritter Jr., G.D.; C
J. Virol. 66, 3971-3975, 1992
A; Title: Cytoplasmic domain truncation enhances fusion a
A; Reference number: A42535; MUID: 92260681; PMID: 1583738
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Pred. No. 3.2e-05;
; Mismatches 7;
                                                                                                                                           env polyprotein
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RVTAIEKYLKDQAQLNSWGCAFRQVC 231
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23 RVTAIEKYLKDQAKLNSWGCAFRQVC 48
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ilarity 50.0%;
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                                   A; Molecule type: nucleic acid
A; Residues: 1-151 <GA2>
A; Cross-references: EMBL: M87118
C; Superfamily: type E retrovirus
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Best Local Similarity
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         A; Accession:
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C;Date:
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coat protein; immunodeficiency; polyprotein;
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C;Species: simian immunodeficiency virus, SIV
C;Date: 30-Jun-1989 #sequence_revision 30-Jun-1989 #text_change 07-Nov-1
C;Accession: H28887
R;Chakrabarti, L.; Guyader, M.; Alizon, M.; Daniel, M.D.; Desrosiers, R.
R;Chakrabarti, L.; Guyader, M.; Alizon, M.; Daniel, M.D.; Desrosiers, R.
Nature 328, 543-547, 1987
A;Title: Sequence of simian immunodeficiency virus from macaque and its
A;Reference number: A28887; MUID:87287230; PMID:3649576
A;Accession: H28887
A;Molecule type: DNA
A;Residues: 1-881 < CHA>
A;Cross-references: GB:Y00277; GB:M16403; NID:g61730
C;Genetics:
A;Gene: env
C;Superfamily: type E retrovirus env polyprotein
C;Keywords: AIDS; capsid protein; coat protein; immunodeficiency; polypr
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                                         env protein - human immunodeficiency virus type 1
C; Species: human immunodeficiency virus type 1, HIV-1
C; Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 26-1
C; Accession: S24571
R; Dietrich, U.
submitted to the EMBL Data Library, August 1989
A; Reference number: S24571
A; Accession: S24571
A; Accession: S24571
A; Keference number: DNA
A; Residues: 1-859 < DIE>
A; Residues: 1-859 < DIE>
A; Cross-references: EMBL:X61240; NID:g60256; PIDN:CAA43572.1; PID:g6
C; Superfamily: type E retrovirus env polyprotein
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S53098
envelope polyprotein - human immunodeficiency virus type 2
C;Species: human immunodeficiency virus type 2, HIV-2
C;Date: 08-Jul-1995 #sequence_revision 21-Jul-1995 #text_change 26-C;Accession: 553098
R;Becker, M.; Zorr, B.; Becker, A.; Habermehl, K.O.
submitted to the EMBL Data Library, March 1995
A;Description: Molecular and phylogenetic characterisation of a Guin;Reference number: S53091
A;Reference number: S53091
A;Reference number: S53091
A;Residues: 1-869 <BEC>
A;Cross-references: EMBL:Z48731; NID:g732718; PIDN:CAA886627.1; PID:C;Superfamily: type E retrovirus env polyprotein
C;Keywords: polyprotein
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Pred. No. 0.0002;
; Mismatches
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Pred. No. 0.0002;
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589 RVTAIEKYLKDQAQLNSWGCAFRQVC
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ilarity 50.0%;
Conservative
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13; Conservative
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C; Species: human immunodeficiency virus type 2, HIV-2
A; Note: host Homo sapiens (man)
C; Date: 31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change 16-Jun-2000
C; Accession: F38475; JQ0978
R; Tristem, M.; Hill, F.; Karpas, A.
J. Gen. Virol. 72, 721-724, 1991
A; Title: Nucleotide sequence of a Guinea-Bissau-derived human immunodeficiency virus typ A; Reference number: A38475; MUID:91170959; PMID:2005437
A; Accession: F38475
A; Coss-references: GB: D00835; NID:93153166; PIDN: BAA00716.1; PID:9221472
C; Comment: The cleavage sites of this polyprotein have not been determined.
C; Genetics:
A; Gene: env
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A;Note: host Homo sapiens (man)
C;Date: 30-Jun-1990 #sequence_revision 26-Jan-1996 #text_change 16-
C;Accession: JS0334
R;Hasegawa, A.; Tsujimoto, H.; Maki, N.; Ishikawa, K.; Miura, T.; F
AIDS Res. Hum. Retroviruses 5, 593-604, 1989
A;Title: Sequence of a distinct HIV-2 isolate from Ghana showing si
A;Reference number: JS0327; MUID: 90122350; PMID: 2611042
A;Accession: JS0334
A;Molecule type: DNA
A;Residues: 1-852 <HAS>
A;Note: this sequence was submitted to JIPID, October 1989
A;Note: tradthrough of the UAG stop codon at 739 may occur
C;Comment: Cleavage sites that yield the mature coat proteins are n
C;Genetics:
A;Gene: env
C;Superfamily: type E retrovirus env polyprotein; transmem
C;Keywords: AIDS; coat protein; glycoprotein; polyprotein; transmem
C;Keywords: AIDS; coat protein; glycoprotein; polyprotein; transmem
F;1-19/Domain: signal sequence #status predicted <MAT>
F;20-852/Product: env polyprotein #status predicted <MAT>
F;36,69,113,117,118,132,141,169,182,197,229,232,263,269,280,291,301
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C; Keywords: AIDS; coat protein; glycoprotein; immunodeficiency;
F;1-19/Domain: signal sequence #status predicted <SIG>
F;20-859/Product: env polyprotein #status predicted <ENP>
F;38,71,115,148,163,176,188,195,205,237,247,271,277,288,299,309
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env polyprotein precursor - human immunicution
N;Alternate names: coat polyprotein
C;Species: human immunodeficiency virus type
C;Species: human immunodeficiency virus type
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 568 RVTAIEKYLKDQAQLNSWGCAFRQVC 593
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C; Accession: T11566
R; Hirsch, V.M.; Adger-Johnson, D.; Cambell, B.; Goldstein, S.; Brown, C.; Elkins, W.R.; J. Virol. 71, 1608-1620, 1997
A; Title: A molecularly cloned, pathogenic, neutralization-resistant simian immunodeficie A; Reference number: Z17285; MUID:97151152; PMID:8995688
A; Accession: T11566
A; Accession: T11566
A; Status: preliminary; translated from GB/EMBL/DDBJ
A; Molecule type: DNA
A; Residues: 1-887 <HIR>A; Residues: 1-887 <HIR>A; Residues: EMBL:U72748; NID:g1695908; PIDN:AAC56565.1; PID:g1695916
C; Genetics:
A; Genetics:
A; Genetics:
C; Keywords: AIDS; immunodeficiency
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C; Species: simian immunodeficiency virus, SIV
C; Date: 30-Jun-1989 #sequence_revision 30-Jun-1989 #text_change 24-Oct-1997
C; Accession: G30045
R; Fukasawa, M.; Miura, T.; Hasegawa, A.; Morikawa, S.; Tsujimoto, H.; Miki, K.; Kitamuran Nature 333, 457-461, 1988
A; Title: Sequence of simian immunodeficiency virus from African green monkey, a new membor A; Reference number: A30045; MUID:88232906; PMID:3374586
A; Accession: G3045
A; Accession: G3045
A; A; Cross-references: EMBL:X07805
C; Genetics:
A; Genetics:
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Cripportein - simian immunodeficiency virus SIVagm
Cripporteis: simian immunodeficiency virus SIVagm
Cripporteis: simian immunodeficiency virus SIVagm
Cripporteis: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 26-Aug-1999
Cripcossion: C46356, G36860
R;Baier, M.; Garber, C.; Mueller, C.; Cichutek, K.; Kurth, R.
Virology 176, 216-221, 1990
A;Title: Complete nucleotide sequence of a simian immunodeficiency virus from African gargemence number: A46356; MUID:90232731; PMID:2158689
A;Reference number: A46356; MUID:90232731; PMID:2158689
A;Reference number: A46356
A;Reference number: A46356
A;Reference number: A46356
A;Reference number: A46356
A;Crossion: C46356
A;Crossion: C46356
A;Cross-references: GB:M30931; NID:g334400; PIDN:AAA91919.1; PID:g334407
C;Superfamily: type E retrovirus env polyprotein
C;Keywords: polyprotein; transmembrane protein
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Pred. No. 0.00028;
5; Mismatches 7;
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5; Mismatches '
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Pred. No. 0.0002;
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nes 13; Conservative (
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C;Species: simian immunodeficiency virus SIVsm
A;Variety: strain 62
C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change 21-J
C;Accession: T11555
R;Hirsch, V.M.; Martin, J.E.; Dapolito, G.; Elkins, W.R.; London, W.J.
J. Virol. 68, 2649-2661, 1994
A;Title: Spontaneous substitutions in the vicinity of the V3 analog & A;Reference number: Z17284; MUID:94187106; PMID:8139042
A;Reference number: Z17284; MUID:94187106; PMID:8139042
A;Molecule type: DNA
A;Residues: 1-886 cHIR>
A;Cross-references: EMBL:U04985; NID:9451609; PIDN:AAA18077
C;Genetics:
A;Gene: env
C;Superfamil.
                                                                                                                                                                                                                                                            env polyprotein - simian immunodeficiency virus (mangabey isolate F2 env polyprotein - simian immunodeficiency virus, siv. Contains: 120K glycoprotein; 40K glycoprotein c; Species: simian immunodeficiency virus, SIV A;Note: host Cercocebus torquatus atys (sooty mangabey) C;Date: 07-Jun-1990 #sequence_revision 07-Jun-1990 #text_change 26-P C;Accession: S04322 R;Hirsch, V.M.; Olmsted, R.A.; Murphey-Corb, M.; Purcell, R.H.; John Nature 339, 389-392, 1989 A;Title: An African primate lentivirus (SIV(sm)) closely related to A;Reference number: S04237; MUID:89262053; PMID:2786147 A;Accession: S04322 A;Status: nucleic acid sequence not shown A;Molecule type: genomic RNA A;Residues: 1-885 <HIR> A;Cross-references: EMBL:X14307; NID:g61741; PIDN:CAA32487.1; PID:g6 C;Genetics: A;Gene: env C;Superfamily: type E retrovirus env polyprotein C;Keywords: glycoprotein; polyprotein
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C;Date: 16-Jul-1999 #sequence_revision 16-Jul-1999 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 886;
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Pred. No. 0.0002;
 7;
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Pred. No. 0.0002;
5; Mismatches 7;
 Mismatches
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599 RVTAIEKYLKDQAQLNSWGCAFRQVC 624
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595 RVSAIEKYLKDQAQLNAWGCAFRQVC
                                                       1 RILAVERYLKDQQLLGIWGCSGKLIC
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Best Local Similarity 50.0%;
Matches 13; Conservative
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A;Accession: S55069
A;Molecule type: DNA
A;Residues; 848-889 <WHF>
A;Cross-references: EMBL:X86731; NID:g840895; PIDN:CAA60408.1; PID:g861130
A;Experimental source: developmental stage week 45
A;Accession: S55070
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Cross-references: EMBL:X86725; NID:g840897; PIDN:CAA60396.1; PID:g861134
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Accession: S55071
A;Molecule type: DNA
A;Experimental source: developmental stage week 41
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Cross-references: EMBL:X86730; NID:g840894; PIDN:CAA60406.1; PID:g861128
A;Experimental source: developmental stage week 41
C;Genetics:
A;Friend A;Frien
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       env polyprotein precursor - human immunodeficiency virus type 2 (isolate ROD)
N,Alternate names: coat polyprotein
C;Species: human immunodeficiency virus type 2, HIV-2
C;Date: 30-Sep-1987 #sequence_revision 30-Sep-1987 #text_change 16-Jul-1999
C;Accession: C26262
R;Guyader, M.; Emerman, M.; Sonigo, P.; Clavel, F.; Montagnier, L.; Alizon, M.
Nature 326, 662-669, 1987
A;Title: Genome organization and transactivation of the human immuno-deficiency
A;Reference number: A26262; MUID:87173056; PMID:3031510
A;Contents: proviral DNA
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C;Species: simian immunodeficiency virus, SIV
C;Date: 17-Apr-1993 #sequence_revision 17-Apr-1993 #text_chang
C;Accession: S28084
A;Title: Sequence of a novel simian immunodeficiency virus fro
A;Reference number: S28080; MUID: 90015168; PMID: 2797181
A;Accession: S28084
A;Status: nucleic acid sequence not shown; translation not sho
A;Cross-references: EMBL:X15781
A;Note: the nucleotide sequence was submitted to the EMBL Data
C;Genetics:
A;Genetics:
A;Genetics:
A;Genetics:
C;Superfamily: type E retrovirus env polyprotein
C;Keywords: polyprotein
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Pred. No. 0.00058;
7; Mismatches 7;
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Pred. No. 0.00073;
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603 RVTAIEKYLEDQAQLNAWGCAFRQVC
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ilarity 46.2%;
Conservative
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Best Local
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                                                                                                                                                                                                                                                                                  Proprotein precursor - simian immunodeficiency virus SIVagm (type 3, iso)
N;Contains: coat protein gp120; coat protein gp32; hypothetical protein env-es
C;Species: simian immunodeficiency virus SIVagm
C;Date: 31-Mar-1989 #sequence_revision 31-Mar-1989 #text_change 07-Nov-1997
C;Accession: C26737
R;Hirsch, V.; Riedel, N.; Mullins, J.I.
Cell 49, 307-319, 1987
A;Title: The genome organization of STLV-3 is similar to that of the AIDS viru
A;Reference number: A26737; MUID:87187627; PMID:3646094
A;Reference number: A26737; MUID:87187627; PMID:3646094
A;Residues: 1-880 *HIR>
A;Residues: 1-880 *HIR>
A;Residues: GB:M19499; NID:g334657
C;Genetics:
A;Gene: env
C;Genetics:
A;Gene: env
C;Superfamily: type E retrovirus env polyprotein; glycoprotein; polyprotein
C;Keywords: AIDS; capsid protein; gp32 #status predicted <GPT>
F;1-527/Product: coat protein gp32 #status predicted <GPT>
F;1-527/Product: coat protein gp32 #status predicted <GPT>
F;31-70,114,148,173,186,200,204,214,246,249,280,286,297,308,318,373,379,462,47
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A; Accession: D28873
A; Molecule type: DNA
A; Residues: 1-889 < FRA>
A; Residues: 1-889 < FRA>
A; Residues: 1-889 < FRA>
A; Reference number: S54796
A; Reference number: S54796
A; Reference number: S54796
A; Residues: 847-889 < WHA>
A; Residues: 847-889 < WHA>
A; Residues: 847-889 < WHA>
A; Residues: 848-889 < W
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A; Title: Sequence of simian immunodeficiency virus and its relat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         E.; Cranage
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iilarity 46.2%;
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virus

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A; Accession: C26262
A; Molecule type: DNA
A; Residues: 1-858 <GUY>
A; Residues: 1-858 <GUY>
A; Cross-references: GB:M15390; NID:g1332361; PIDN:AAB00770.1; PID:g325749
C; Genetics:
A; Gene: env
C; Superfamily: type E retrovirus env polyprotein
C; Superfamily: capsid protein; coat protein; glycoprotein; immunodeficiency; polyprote; k; C; Superfamily: signal sequence #status predicted <SIG>
F; 1-17/Domain: signal sequence #status predicted <AMAT>
F; 18-858/Product: env polyprotein #status predicted <AMAT>
F; 18-501/Product: exterior membrane glycoprotein #status predicted <TMM>
F; 18-502-858/Product: transmembrane glycoprotein #status predicted <TMM>
F; 34,67,76,119,120,151,166,179,192,193,196,206,238,241,248,272,278,289,300,367,371,400,4
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56.8%; Score 79; DB 1; Length 858
Best Local Similarity 46.2%; Pred. No. 0.0008;
Matches 12; Conservative 7; Mismatches 7; Indels
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